

20011231.qrp v02_n422.qrl.20011231

Date: Mon, 31 Dec 2001 19:03:07 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2422

QRP-L Digest 2422

Topics covered in this issue include:

- 1) [116479] Re: New Year's Bash (ing)... (OT)
by Jim Lowman <jmlowman@directvinternet.com>
- 2) [116480] Re: How many other exceptions?
by w4bws@juno.com
- 3) [116481] Back-to-back xfmrs driving a voltage doubler
by "Mike Silva" <mjsilva697@earthlink.net>
- 4) [116482] re:Toroid...Help
by "Bill Dittrich" <rwddittrich@hotmail.com>
- 5) [116483] Exam Materials
by "w2wurjj" <w2wurjj@verizon.net>
- 6) [116484] No more Metal 2222's
by "Brian" <brian@iquest.net>
- 7) [116485] RE: Lehigh Univ. (was: Remove from List)
by "Len Revelle" <lenrev@ameritech.net>
- 8) [116486] W7Z0I 555 keyer
by Steven Weber <kd1jv@moose.ncia.net>
- 9) [116487] Re: neophyte MP-1 question
by Michael Bower <bowerm@ix.netcom.com>
- 10) [116488] Re: neophyte MP-1 question
by Michael Bower <bowerm@ix.netcom.com>
- 11) [116489] SMK VXO Mod now on NorCal Website
by NB6M@aol.com
- 12) [116490] Re: neophyte MP-1 question
by "Karl B. Staddon" <ve6kbs@agt.net>
- 13) [116491] Re: Exam Materials
by "George, W5YR" <w5yr@att.net>
- 14) [116492] Re: neophyte MP-1 question
by "- hamhobby.com -" <k7fd@hotmail.com>
- 15) [116493] Re: Back-to-back Xfmrs for tube transmitters
by "W3CDE Jerry L." <w3cde@bellsouth.net>
- 16) [116494] Re: learning CW
by "Kent Babcock" <n8wvd@jackpine.com>
- 17) [116495] Want: Swan Rig
by wkhibbert@juno.com
- 18) [116496] SKN in Novice Bands Anyone?
by "K5XU, Mike Duke" <k5xu@netdoor.com>
- 19) [116497] Re: neophyte MP-1 question

- by "Stephen M. King" <frastephen@home.com>
- 20) [116498] Re: neophyte MP-1 question
by "Trevor Jacobs" <fxtech@earthlink.net>
- 21) [116499] Re: Ironies of 10 Meter Propagation
by "Gordon Couger" <gcouger@couger.com>
- 22) [116500] Doug Demaw, forgive me for I have SINNED
by "Walt Amos" <k8cv@netzero.net>
- 23) [116501] Incentive licensing
by Ron KU7Y <mswmod@bigplanet.com>
- 24) [116502] Amateur Radio License Summary circa 1957 (A little lengthy, but the
only post on this subject from me...)
by "John Stevens" <john.w.stevens@home.com>
- 25) [116503] [Elmer 101] Next Installment
by "Rene Correa" <correalaw@earthlink.net>
- 26) [116504] Re: Amateur Radio License Summary circa 1957 (A little lengthy, but
the only post on this subject from me...)
by "John Moriarity" <k6qq@hdo.net>
- 27) [116505] Re: Amateur Radio License Summary circa 1957 (A little lengthy, but
the
only post on this subject from me...)
by "George, W5YR" <w5yr@att.net>
- 28) [116506] Re: Bashing Newcomers, Extras (old vs new), Etc.
by George Gingell <k3tks@u1.abs.net>
- 29) [116507] OT: QSL filing
by ARDUJENSKI@aol.com
- 30) [116508] QRP Challenge 2002
by "Thom Durfee WI8W" <wi8w@arrl.net>
- 31) [116509] QRP Challenge 2002 Update
by "Thom Durfee WI8W" <wi8w@arrl.net>
- 32) [116510] Re: Incentive licensing
by Bob Schreibmaier <k3ph@dxis.monroe.pa.us>
- 33) [116511] Re: neophyte MP-1 question
by Jim Stiles <jjstiles@optonline.net>
- 34) [116512] Re: "land grab"
by "John Dorson" <jdorson@Worldshare.net>
- 35) [116513] Re: New Year's Bash (ing)...
by "John Dorson" <jdorson@Worldshare.net>
- 36) [116514] RE: How many other exceptions?
by "Steve Blary" <steve@eclipsecat.com>
- 37) [116515] Re: Doug Demaw, forgive me for I have SINNED
by Bruce Rattray <rattray@gpfn.sk.ca>
- 38) [116516] 6 Meter Openings
by Joseph Mikuckis <k3chp@erols.com>
- 39) [116517] Re: Amateur Radio License Summary circa 1957 (A little lengthy, but
the only post on this subject from me...)
by W2AGN <w2agn@pobox.com>
- 40) [116518] OT: Exam Materials
by Jim Campbell <jim-c@nc.rr.com>

- 41) [116519] Re: Elmer needs help
by Bill Coleman <aa4lr@arrl.net>
- 42) [116520] Re: Exam Materials
by George Franklin <w0av@juno.com>
- 43) [116521] Re: Fast Learner
by Bill Coleman <aa4lr@arrl.net>
- 44) [116522] Re: Need Small Keyer
by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
- 45) [116523] Re: How many other exceptions?
by Bill Coleman <aa4lr@arrl.net>
- 46) [116524] Re: OT: QSL filing
by Larry Cahoon <lejek@erols.com>
- 47) [116525] Re: [Elmer 101] Next Installment?
by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
- 48) [116526] Re: learning CW
by Bill Coleman <aa4lr@arrl.net>
- 49) [116527] VE7SL SKN Tuna Tin
by "Steve McDonald" <jsm@gulfislands.com>
- 50) [116528] Re: Doug Demaw, forgive me for I have SINNED
by Bruce Muscolino <w6toy@erols.com>
- 51) [116529] learning CW and at a good speed
by Drbob92031@aol.com
- 52) [116530] Re: neophyte MP-1 question
by Bruce Muscolino <w6toy@erols.com>
- 53) [116531] Re: Back-to-back xfmr's driving a voltage doubler
by Bruce Muscolino <w6toy@erols.com>
- 54) [116532] Re: Doug Demaw, forgive me for I have SINNED
by Dave Fouchey <dafouchey@home.com>
- 55) [116533] on [extra] Licencing
by "Rod N0RC" <rod@n0rc.com>
- 56) [116534] Re: neophyte MP-1 question
by Bruce Muscolino <w6toy@erols.com>
- 57) [116535] Power distribution/PA bias switching question
by nilsbull@juno.com
- 58) [116536] Re: on [extra] Licencing
by Michael Bower <bowerm@ix.netcom.com>
- 59) [116537] Re: on [extra] Licencing
by W2AGN <w2agn@pobox.com>
- 60) [116538] [Elmer 101] Next Installment
by "Rene Correa" <correalaw@earthlink.net>
- 61) [116539] Re: QRP Challenge 2002 Update
by Bruce Muscolino <w6toy@erols.com>
- 62) [116540] Re: on [extra] Licencing
by Paul Womble <pwomble1@tampabay.rr.com>
- 63) [116541] RE: learning CW. Authentic Geezer Gibberish!!
by Nick Kennedy <nkennedy@tcainternet.com>
- 64) [116542] Re: on [extra] Licencing
by "W3CDE Jerry L." <w3cde@bellsouth.net>

- 65) [116543] OT: Novice Term
by "John Stevens" <john.w.stevens@home.com>
- 66) [116544] Re: Exam Materials - Commercial Telegraph (OT)
by Mike <mmorrow@companet.net>
- 67) [116545] RE: Power distribution/PA bias switching question
by Nick Kennedy <nkennedy@tcainternet.com>
- 68) [116546] OT: CQ Magazine Contest Results
by Thomas <ac7a@gci-net.com>
- 69) [116547] Re: QRP Challenge 2002 Update
by Alex <kr1st@amsat.org>
- 70) [116548] For Sale -- QRP rigs and other items
by "Steve Hudson" <sdhudson@cahners.com>
- 71) [116549] Re: on [extra] Licencing
by "Brian" <brian@iquest.net>
- 72) [116550] RE: QRP Challenge 2002 Update
by "N8IE" <n8ie@woh.rr.com>
- 73) [116551] Re: QRP Challenge 2002 Update
by Bruce Muscolino <w6toy@erols.com>
- 74) [116552] RE: Elmer needs help
by "Hubert Smits" <hubert.smits@btinternet.com>
- 75) [116553] Re: QRP Challenge 2002 Update
by W2AGN <w2agn@pobox.com>
- 76) [116554] Re: QRP Challenge 2002 Update
by "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
- 77) [116555] RE: on [extra] Licensing
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 78) [116556] Re: How many other exceptions?
by "George, W5YR" <w5yr@att.net>
- 79) [116557] RE: Lehigh Univ. (was: Remove from List)
by Bill Coleman <aa4lr@arrl.net>
- 80) [116558] Hell on wheels
by Jim <sunwatt@starband.net>
- 81) [116559] Re: Fast Learner
by Dave Sjolín <sjolin@swbell.net>
- 82) [116560] "Fishy" Correction
by Kenneth Hoglund <hoglund@wfu.edu>
- 83) [116561] Re: QRP Challenge 2002 Update
by "w8diz" <w8diz@fpqrp.com>
- 84) [116562] Re: QRP Challenge 2002 Update
by W2AGN <w2agn@pobox.com>
- 85) [116563] Re: Incentive licensing
by "Cla KA0GKC" <ka0gkc@arrl.net>
- 86) [116564] Re: Incentive licensing
by W2AGN <w2agn@pobox.com>
- 87) [116565] Re: Toroid...Help!
by "Mike Czuhajewski" <wa8mcq@home.com>
- 88) [116566] Happy New Year
by "george" <georgekr5c@cablelynx.com>

- 89) [116567] Re: Incentive licensing
by "Brian" <brian@iquest.net>
- 90) [116568] RE: VE7SL SKN Tuna Tin (N4UY)
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 91) [116569] OT: Nice Education series on receivers
by ARDUJENSKI@aol.com
- 92) [116570] RE: Need Small Keyer
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 93) [116571] Touch Pads?
by kb1dxc <kb1dxc@discovernet.net>
- 94) [116572] Re: Touch Pads?
by "w8diz" <w8diz@fpqrp.com>
- 95) [116573] RE: Power distribution/PA bias switching question
by John Seboldt K0JD <k0jd-1@seboldt.net>
- 96) [116574] Re: Power distribution/PA bias switching question
by John Seboldt K0JD <k0jd-1@seboldt.net>
- 97) [116575] Fw: on [extra] Licencing
by "Michael Todd" <hamike@earthlink.net>
- 98) [116576] Re: Elmer needs help
by "blinn" <blinn@smgazette.com>
- 99) [116577] Re: Touch Pads?
by David Hinerman <wd8civ@worldnet.att.net>
- 100) [116578] OT: FT-847 Problem Question
by Rod S Clayton <rodclayton@juno.com>
- 101) [116579] Re: CQ Magazine Contest Results
by "Rob Matherly" <kc0bom@arrl.net>
- 102) [116580] Re: Back-to-back xfmrs driving a voltage doubler
by "Mike Silva" <mjsilva697@earthlink.net>
- 103) [116581] Re: Exam Materials
by "George, W5YR" <w5yr@att.net>
- 104) [116582] Re: Incentive licensing
by K4IA@aol.com
- 105) [116583] Re: Doug Demaw, forgive me for I have SINNED
by "Winston F. Jones" <winjones@ix.netcom.com>
- 106) [116584] W7Z0I 555 keyer
by Steven Weber <kd1jv@moose.ncia.net>
- 107) [116585] Re: QRP Challenge 2002 Update
by Bruce Muscolino <w6toy@erols.com>
- 108) [116586] Re: on [extra] Licensing
by Bruce Muscolino <w6toy@erols.com>
- 109) [116587] Re: Incentive licensing
by Bruce Muscolino <w6toy@erols.com>
- 110) [116588] Re: OT: FT-847 Problem Question
by Dan Tayloe <dtayloe@home.com>
- 111) [116589] Re: on [extra] Licencing
by "Mike Yetsko" <myetsko@insydesw.com>
- 112) [116590] Only a Few Hours to 2002!
by Kenneth Hoglund <hoglund@wfu.edu>

- 113) [116591] Re: GB> Back-to-back Xfmrs for tube transmitters
by "Mike Silva" <mjsilva697@earthlink.net>
- 114) [116592] SKN @ the house of the Orange Barrel King
by nilsbull@juno.com
- 115) [116593] T Minus 2.5 hours!!
by "Brian" <brian@iquest.net>
- 116) [116594] FS/FT: Power Transformer for Tube Rig
by "Mark M." <markem@cervnet.com>
- 117) [116595] QRP Challenge Questions volume 1
by "Thom Durfee WI8W" <wi8w@arrl.net>
- 118) [116596] Happy New Year and may this new year bring...
by Thomas Jennings <jennings@eznet.net>
- 119) [116597] OT: computer slot
by David Heintzleman <pstrdave@kdsi.net>
- 120) [116598] Re: OT: computer slot
by "Mark J. Dulcey" <mark@buttery.org>
- 121) [116599] Re: computer slot
by "Mike Yetsko" <myetsko@insydesw.com>
- 122) [116600] Re: on [extra] Licencing
by Bruce Muscolino <w6toy@erols.com>
- 123) [116601] Re: Nice Education series on receivers
by "Dave Ek" <ekdave@earthlink.net>
- 124) [116602] [Elmer 101] change of venue
by mikemo@attglobal.net
- 125) [116603] RE: "land grab"
by "Kory Hamzeh" <kory@avatar.com>
- 126) [116604] SKN Station
by "ZOOM" <kandrparker@sympatico.ca>
- 127) [116605] Re: OT: computer slot
by webmaster@steadynet.com
- 128) [116606] Re: neophyte MP-1 question
by "Stephen M. King" <frastephen@home.com>
- 129) [116607] 817 info
by "T.W." <wb5qyt@abq.com>
- 130) [116608] Re: "land grab"
by Bruce Muscolino <w6toy@erols.com>

Date: Sun, 30 Dec 2001 16:15:00 -0800
From: Jim Lowman <jmlowman@directvinternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [116479] Re: New Year's Bash (ing)... (OT)
Message-ID: <3C2FAE04.1EA76C5F@directvinternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When I took the General exam at Detroit in 1966, I used the Ameco self-study book to prepare. At that time I was a senior in high school, with no electronics background.

At that time, the examples in the book were representative of the actual questions on the exam. However, anyone taking the exam had to be adept enough at algebra to be able to rearrange an equation, and to work through the math. To me, this was a more valid test; it required that the candidate actually knew how to derive the answer.

I was disappointed when I took my Extra exam (given by a VE team) - the questions that were probably the most difficult for the average person (impedance) had answers that were obvious by inspection. I never picked up my calculator once during the session. By comparison, I seldom put down my slide rule (remember those?) when taking the FCC-style General exam.

72 de Jim - AD6CW

Mike wrote:

> In the late 1970s and early 1980s good Ol' Dick Bash and associates
> would poll people coming out of ham exams to reconstruct as nearly as
> possible the exact questions being used. He then put this
> recovered-from-memory hodge-podge together with what he thought was the
> correct answer (sometimes it wasn't!) in books he sold to those who
> wanted to make the written test as (politely put) "effortless as
> possible." His technical "work" in explaining some questions was really
> ridiculous.

Date: Sun, 30 Dec 2001 14:19:55 -0500
From: w4bws@juno.com
To: k5di@zianet.com
Cc: qrp-1@Lehigh.EDU
Subject: [116480] Re: How many other exceptions?
Message-ID: <20011230.192643.-329865.0.W4BWS@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi Karl, Yes I agree that today you have to learn the answers to the 500 questions. However, that does not negate the need to learn what the answers really mean and how to apply the theory to practical applications. Today most people are not thorough enough to persevere and continue with the learning of the basics, they are satisfied with just passing

the test.

Unfortunately this follows into their everyday life and as an employer i see people who are happy to just get by with the minimum and are satisfied with having onjly a mediocre life and service to their employer. When down sizing occurs and the employers let them go, they are the first to yell about bias, prejudice, and what ever excuse they can muster instead of taking responsibility for their own life and actions.

Anyway, enough soap box- Have a happy New Year.

See you on SKN.

Don W4BWS

On Sun, 30 Dec 2001 06:04:13 -0700 (MST) "Karl F. Larsen"

<k5di@zianet.com> writes:

> What happened in 1955 is of intense interest to the
> individual and of no interest to a person interested in
> becoming a Ham today. Here is what you need to
> succeed today.

> There are 3 written exams and they are drawn from 500
> question pools in each case. So if you have a great
> memory you only need to memorize 1500 questions.

> If your memory is like mine forget memory and
> learn a few things. I like the written test game they
> have on QRZ.com where it gives you an exam for the
> license your working on. These tests
> come from the actual 500 question pool.

>

> CW requirements are now 5 wpm. It is still the stumbling
> block it has been from the begining. Anyone who thinks
> 5 wpm is easy to learn is wromg. In fact, after you get
> good at 5 wpm your ready for quick upgrade
> to 13 wpm. But that 5wpm is hard and it still keeps people
> from passing to General.

>

>

> On Sat, 29 Dec 2001 w4bws@juno.com wrote:

>

> > Joel, I didn't "just walk up and pass test" but I studied the ARRL

>

>

> --

> Yours Truly,

>

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

> <http://www.zianet.com/k5di/>

>

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 30 Dec 2001 16:32:28 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: <glowbugs@piobaire.mines.uidaho.edu>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [116481] Back-to-back xfmrs driving a voltage doubler
Message-ID: <014401c19192\$a13bfb40\$97fab3d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For round 2 I replaced the bridge rectifier with a voltage doubler and got the following output:

B+(V)	Ip(mA)	
312	0	
282	25	(lowest I could get with 3 9V batteries for bias)
278	30	
271	40	
264	50	
258	60	
252	70	
245	80	

I'm now running it at 50 mA to see how it holds up and the input transformer feels like it's going to get hotter than before, but that's expected since I'm drawing more power. Still, IMO this configuration (using two Radio Shack 12.6VCT, 3A transformers) could easily supply up to 20W DC input at CW duty cycles.

73,
Mike, KK6GM

Date: Sun, 30 Dec 2001 19:53:48 -0500
From: "Bill Dittrich" <rwddittrich@hotmail.com>
To: qrp-1@Lehigh.EDU

Subject: [116482] re:Toroid...Help
Message-ID: <LAW2-F1015zkDX64kDn00012501@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thanks to all for their help, on and off the list!
Used the #22, seems to hold up better to my heavy
handed ways..hi! Had plenty of room, now on to the
final test... tomorrow, more wiring to do.

73

Bill

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Sun, 30 Dec 2001 20:10:10 -0800
From: "w2wurjj" <w2wurjj@verizon.net>
To: <jmLowman@directvinternet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [116483] Exam Materials
Message-ID: <000401c191b1\$1bc7c380\$71c2fea9@w2wurjj>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Slide Rules ... Yes, I remember them well and used them in school /college,
and for my First Class Phone. The commercial 'Phone and 'Graph had real
technical questions. It's a crying shame they aren't used on the Amateur
exams. Should the next Amateur Exam Question Pool contain questions such as
those? 73, W2WU

----- Original Message -----

From: Jim Lowman <jmLowman@directvinternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, December 30, 2001 16:15
Subject: Re: New Year's Bash (ing)... (OT)

> When I took the General exam at Detroit in 1966, I used the Ameco

> self-study book to prepare. At that time I was a senior in high
> school, with no electronics background.
>
> At that time, the examples in the book were representative of the actual
> questions on the exam. However, anyone taking the exam had to be adept
> enough at algebra to be able to rearrange an equation, and to work through
> the math. To me, this was a more valid test; it required that the
> candidate actually knew how to derive the answer.
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> I was disappointed when I took my Extra exam (given by a VE team) - the
> questions that were probably the most difficult for the average person
> (impedance) had answers that were obvious by inspection. I never picked
> up my calculator once during the session. By comparison, I seldom put
> down my slide rule (remember those?) when taking the FCC-style General
> exam.
>
> 72 de Jim - AD6CW
>
> Mike wrote:
>
> > In the late 1970s and early 1980s good Ol' Dick Bash and associates
> > would poll people coming out of ham exams to reconstruct as nearly as
> > possible the exact questions being used. He then put this
> > recovered-from-memory hodge-podge together with what he thought was the
> > correct answer (sometimes it wasn't!) in books he sold to those who
> > wanted to make the written test as (politely put) "effortless as
> > possible." His technical "work" in explaining some questions was really
> > ridiculous.
>

Date: Sun, 30 Dec 2001 20:23:12 -0500
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, <fpqrp-l@fpqrp.com>
Subject: [116484] No more Metal 2222's
Message-ID: <022301c19199\$b7434ef0\$2a492bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,

I am now out of the metal 2N2222's.

Craig Johnson got my last surplus.

I'll try to find a steal on some more.

73

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

```
-----
Date: Sun, 30 Dec 2001 19:34:14 -0600
From: "Len Revelle" <lenrev@ameritech.net>
To: <jmlowman@directvinternet.com>,
    "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [116485] RE: Lehigh Univ. (was: Remove from List)
Message-ID: <003101c1919b$415f2f40$6401a8c0@n9ij>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="us-ascii"
Content-Transfer-Encoding: 7bit
```

Jim,
Your ham career mirrors mine. As an almosr exclusively CW op, active in NTS, incentive licensing did nothing but turn me off as far as ARRL was concerned. For a long time few used the lower 25. The only reason I ultimately decided to upgrade was to regain that space in order to chase the DX that liked to avoid QRM up higher. Had ARRL not mandated membership by US hams in order to qualify for DXCC, I would likely have not returned to their roles at all.

> I'd be curious to know if there was a significant sag in ARRL
> membership after Incentive Licensing took effect.
>

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-----
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Date: Sun, 30 Dec 2001 20:42:07 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [116486] W7ZOI 555 keyer
Message-ID: <3.0.6.32.20011230204207.0079f100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Just for the heck of it, I laid out a board for the W7ZOI 555 keyer Hap's been talking about. It fits on a 2.4" x 1.8" board, small enough to fit in an Altoids tin, with a 9V battery. Then for more fun, I did another, nearly identical layout using SMT parts. The board only shrunk to 1.8" x 1.7", but that's nearly a 30% reduction in board area. Oh, in both cases, I included trim pots on the dot, dash and space timing resistors, so the timing can be tweaked. If CMOS flavors of the 555 are used (LMC555), the current consumption would probably be tiny.

Any interest in a kit for this classic retro keyer? I think doing the SMT version would be fun. Would be a good SMT practice kit. Looks like I could do it for \$15.00, post paid, if a minimum of 25 people wanted one...

The layout is done with the Circad DOS version 8.2 demo, so if you have this program or are willing to download it, (<http://www.holophase.com>), I'll be willing to send you the board file. (the file has both the through hole and SMT versions on it) I'd put it on my web site, but haven't figured out how to set up downloadable files yet.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 30 Dec 2001 20:40:21 -0500
From: Michael Bower <bowerm@ix.netcom.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [116487] Re: neophyte MP-1 question
Message-ID: <3C2FC205.50709@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Stephen makes a good point and question.

I'm trying to do this with an ANALYZER, not a TUNER.

It is the MFJ-259B Analyzer and it covers the entire range of frequencies.

Sorry for the mis-statement in my earlier post.

Michael N4NMR

Stephen M. King wrote:

```
> Just a point of clarification ...
>
> Do you mean TUNER or ANALYZER?
>
> You shouldn't need a tuner with the MP-1 on its designed frequencies.
>
> It can take a little bit of effort to find the "sweet-spot", but you should
> be able to find low (perhaps not 1:1, but close) SWR points on the coil... I
> found that the "template" sheet was pretty helpful.
>
> Also, are the radials on the ground? I find they work better elevated a
> bit....
>
> Peace and 73 and HNY,
> Stephen
> W3SMK
>
> ----- Original Message -----
> From: "Michael Bower" <bowerm@ix.netcom.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Sunday, December 30, 2001 5:38 PM
> Subject: neophyte MP-1 question
>
>
>
>>I bought myself an MP-1 for Christmas (with Santa's permission, of
>>course). I have been "testing" it today and I have what you might
>>consider a very neophyte question.
>>
>>Here's the setup:
>>
>>standard MP-1 (collapsible whip, 40 meter coil (80 meters not in this
>>test), standard pole (8"?)
>>
>>On the MP-1 tripod.
```

>>
>>Attached to the tripod are the four radials supplied with the MP-1.
>>They are in a spoke pattern roughly but just sort of thrown out. (They
>>are not laying straight out and they are not evenly spaced around the
>>spokes.)
>>
>>Attached to the tripod base is an RG-58 3 foot section to an MFJ Antenna
>>tuner.
>>
>>
>>Here's the testing:
>>
>>I set the MFJ to a specific frequency and then try to adjust the antenna
>>to the lowest SWR. In some cases, I got the SWR to 2.x: 1. In others
>>the best I could do was 6.x:1
>>
>>Now for the questions:
>>
>>
>>1) I understand that the supplied radials are not quite adequate for
>>this antenna and that I will do much better with longer radials. I
>>think I remember seeing 16' radials on this list.
>>
>>Will the proper radials allow me to get very close to 1:1 or not? If
>>yes, is 16' the recommended length for general purpose?
>>
>>
>>2) I know that radials should be specific for a specific frequency.
>>Does this mean that I really need a radial set for each frequency that I
>>might want to operate from? (Or build something like the St. Louis
>>Radials?)
>>
>>
>>3) Here's the real neophyte question:
>>
>>With a particular radial set and position (like I have currently, let's
>>say) and with a particular setting for the whip and coil, should I
>>always find SOMEPLACE where the SWR is 1:1 on the ant. tuner? In other
>>words, I setup the antenna, set the whip to some length, set the coil to
>>some position and attach the radials, should I be able to find an SWR of
>>1:1 someplace on the tuner?
>>
>>
>>Thanks for the bandwidth. I hope my questions are confusing.
>>
>>Michael N4NMR
>>
>>

>>--
>>73 de N4NMR
>>Michael Bower
>>Ashburn, VA (near Washington, D.C.)
>>
>>
>>
>
>

--
73 de N4NMR
Michael Bower
Ashburn, VA (near Washington, D.C.)

Date: Sun, 30 Dec 2001 20:46:43 -0500
From: Michael Bower <bowerm@ix.netcom.com>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [116488] Re: neophyte MP-1 question
Message-ID: <3C2FC383.8040609@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Several people have asked this so I'll provide more details.

You tell me if the radials are elevated.

The tripod is set up in my family room which is on the FIRST floor of a house with a walk-out basement. The radials are on the floor of the family room.

Based on that, the bottom of the bracket/top of the tripod is actually about 10 feet above ground level (one floor above the basement) and the radials are also at that height and going horizontal to the ground under the basement.

So are they elevated or not? (As you can tell, I'm easily confused when it comes to antennas and radials.)

Michael N4NMR

Stephan Greene wrote:

```
> On Sun, 30 Dec 2001, Michael Bower wrote:
>
>
>>I bought myself an MP-1 for Christmas (with Santa's permission, of
>>course). I have been "testing" it today and I have what you might
>>consider a very neophyte question.
>>
>
> Hi Mike! Sounds like a merry xmas at your QTH.
>
> I've been trying my MP-1 in various travel situations; most recently on
> our just-completed vacation to hawaii. It certainly travels well.
>
> I bought the 80M coil and now wish I'd gotten the FT817 bracket instead.
> So I'll probably get the bracket.
>
>
>>On the MP-1 tripod.
>>
>>Attached to the tripod are the four radials supplied with the MP-1.
>>They are in a spoke pattern roughly but just sort of thrown out. (They
>>are not laying straight out and they are not evenly spaced around the
>>spokes.)
>>
>
> Lying on the ground? I've recall statements here, on qrp-l, and elsewhere
> that limited radials like the MP-1 has work better when elevated.
>
>
>>Attached to the tripod base is an RG-58 3 foot section to an MFJ Antenna
>>tuner.
>>
>>I set the MFJ to a specific frequency and then try to adjust the antenna
>>to the lowest SWR. In some cases, I got the SWR to 2.x: 1. In others
>>the best I could do was 6.x:1
>>
>
> Does changing the feedline length have any effect?
>
>
>>1) I understand that the supplied radials are not quite adequate for
>>this antenna and that I will do much better with longer radials. I
>>think I remember seeing 16' radials on this list.
>>
>
> Don't recall - hopefully someone will refresh both our memories.
```

>
>
>>With a particular radial set and position (like I have currently, let's
>>say) and with a particular setting for the whip and coil, should I
>>always find SOMEPLACE where the SWR is 1:1 on the ant. tuner? In other
>>
>
> Not necessarily. If I understand things correctly, the coil is used to
> make the antenna appear to be resonant at the operating frequency. The
> radials may not affect SWR but do affect the antenna's radiation pattern
> and efficiency. Then again, I, too am a neophyte at this.
>
> Have a happy new year.
>
> 73, Steve KA1LM
>
> -----
> Stephan A. Greene sgreene@patriot.net ka1lm@amsat.org
> Herndon, VA 1-703-654-6032 office 1-571-233-1194 cell
> -----
>
>
>

--
73 de N4NMR
Michael Bower
Ashburn, VA (near Washington, D.C.)

Date: Sun, 30 Dec 2001 20:55:39 EST
From: NB6M@aol.com
To: QRP-L@lehigh.edu
Subject: [116489] SMK VX0 Mod now on NorCal Website
Message-ID: <67.1f65fdcc.29611f9b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi All,

Many thanks again to Jerry Parker. He has posted the SMK-1 VX0 Mod to the
NorCal web page, at SMK VX0

The circuit and text article can be viewed and saved from there.

I would welcome any feedback in terms of suggestions or improvements to this or any other of the mods I have developed, and would appreciate hearing how they work out for you. After all, two or more heads are much better than one, and we all benefit.

Hope to hear and work you during the latter part of SKN.

Best 72 and all the best for the New Year.

Wayne NB6M

Date: Sun, 30 Dec 2001 18:58:13 -0700
From: "Karl B. Staddon" <ve6kbs@agt.net>
To: <bowerm@ix.netcom.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [116490] Re: neophyte MP-1 question
Message-ID: <001301c1919e\$9b8305c0\$c29a3b8e@ab.hsia.telus.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Michael, I agree with Stephen King's response to your question. I use the MP-1 with my FT-817 rig. I put the rig in CW mode or FM mode and go key down or push the PTT, as the case may be, to get RF out of the rig and into the antenna. Make sure that the rig's meter is set to show SWR. I find there is enough friction in the coil that I don't have to tighten the thumbscrew during tune up. Send some RF to the antenna and observe the SWR, then move the antenna up or down on the coil a SMALL bit and repeat the SWR observation. You'll find that pretty quickly you can zero in on something pretty close to 1:1 SWR (certainly good enough for your rig to be happy).

Others have posted that the 2 foot rod under the coil is better than the 8" rod. As Stephen suggested, getting the radials off the ground is also apparently good. I've used my MP-1 on the top of my tent with the tripod legs wedged between the tent support rods and the radials flowing down the sides of the tent - worked good enough for me to log into Durban, South Africa from a field in Tanzania near Mt. Kilimanjaro - I sent and received a bunch of HF emails using the Ft-817 (5 watts out) using the Winlink 2000 system.

I like the antenna - light, easy to put up and take down, easy to tune, etc. If you have the time and can erect a dipole my impression is that you'll generally do better with a dipole. MP-1 vs. dipole - different scratches

for different itches.

You might also consider joining the Yahoo HFPack Group which has had EXTENSIVE discussion on the MP-1 antenna and other portable antennas. They also conducted a recent antenna shoot out on 14 MHz. The URL is:
<http://groups.yahoo.com/group/hfpack/>

That's my view(s),
Cheers
Karl B. Staddon
VE6KBS

----- Original Message -----

From: "Michael Bower" <bowerm@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 30, 2001 15:38 PM
Subject: neophyte MP-1 question

> I bought myself an MP-1 for Christmas (with Santa's permission, of
> course). I have been "testing" it today and I have what you might
> consider a very neophyte question.
>
> Here's the setup:
>
> standard MP-1 (collapsible whip, 40 meter coil (80 meters not in this
> test), standard pole (8"?)
>
> On the MP-1 tripod.
>
> Attached to the tripod are the four radials supplied with the MP-1.
> They are in a spoke pattern roughly but just sort of thrown out. (They
> are not laying straight out and they are not evenly spaced around the
> spokes.)
>
> Attached to the tripod base is an RG-58 3 foot section to an MFJ Antenna
> tuner.
>
>
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>
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>
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>
>

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> yes, is 16' the recommended length for general purpose?
>
>
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> Does this mean that I really need a radial set for each frequency that I
> might want to operate from? (Or build something like the St. Louis
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>
>
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> say) and with a particular setting for the whip and coil, should I
> always find SOMEPLACE where the SWR is 1:1 on the ant. tuner? In other
> words, I setup the antenna, set the whip to some length, set the coil to
> some position and attach the radials, should I be able to find an SWR of
> 1:1 someplace on the tuner?
>
>
> Thanks for the bandwidth. I hope my questions are confusing.
>
> Michael N4NMR
>
>
> --
> 73 de N4NMR
> Michael Bower
> Ashburn, VA (near Washington, D.C.)
>
>

Date: Sun, 30 Dec 2001 20:13:42 -0600
From: "George, W5YR" <w5yr@att.net>
To: w2wurjj@verizon.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [116491] Re: Exam Materials
Message-ID: <3C2FC9D6.8AA2E152@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When I took my Extra in 1954 I fortunately brought my slipstick along. The test contained about 15 questions that involved vector solutions.

The test at that time was made up from all the most-often-missed questions on the commercial exams. I took the Ship Radar endorsement test just before taking the Extra and got several questions on the Extra that I had just finished on the SRE!

My, how times have changed! But, I wouldn't want to go back to the slide rule days.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262 COG 8
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

w2wurjj wrote:

>
> Slide Rules ... Yes, I remember them well and used them in school /college,
> and for my First Class Phone. The commercial 'Phone and 'Graph had real
> technical questions. It's a crying shame they aren't used on the Amateur
> exams. Should the next Amateur Exam Question Pool contain questions such as
> those? 73, W2WU

Date: Sun, 30 Dec 2001 18:15:01 -0800
From: "- hamhobby.com -" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [116492] Re: neophyte MP-1 question
Message-ID: <F166idcDjoYAPNXRPmc0000e82b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I have found the MP-1 and the original PW-1 quite touchy when on the low bands, especially 40m and 80m...due to the inherent low impedance of a short antenna. To this end, I have installed an inductive match tapped to ground. The coil allows me to adjust the impedance closer to 52 ohms, resulting in a 1.0:1 match.

The inductive match combined with three 16 and half foot radials have served me well...

73 John K7FD

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Sun, 30 Dec 2001 21:22:55 -0500
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [116493] Re: Back-to-back Xfmrs for tube transmitters
Message-ID: <3C2FCBFF.3404205C@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Back to back filament transformers have been used for years for cheap medium voltage power supplies and bias supplies. If you can find a few of the older 6VAC and 10-20 AMP secondaries, you can make a great ISOLATED power supply with voltage doublers, triplers or quadruplers! Works great and really lasts a long time! 8-).

Jerry
W3CDE

Mike Silva wrote:

>
> There was some question (skepticism!) on the QRP list recently about using
> back-to-back filament transformers to provide B+ for a small transmitter.
> Being curious about this myself I wired up a circuit consisting of two Radio
> Shack 12.6VCT 3A transformers back-to-back, driving a full wave bridge and a
> 33 uF filter cap. I used a 1625 tube (807 with a 12V heater) as a variable
> load, with heater driven from the first transformer and control grid driven
> from 18V (two 9V batteries in series) across a pot. The tube was connected
> in triode mode (screen and plate tied together). Here's what I found (I'm
> sure the columns won't line up!):

>
> B+(V) Ip(mA)
>
> 156 0
> 153 10
> 150 20

> 147 30
> 144 40
> 142 50
> 140 60
> 135 70
> 132 80

>

> At this point the readings were bouncing around quite a bit as I didn't have
> enough filtering to handle the current load, so I stopped. I ran the setup
> for an hour at 70 mA (10W DC load) and the transformers were just moderately
> warm. Tonight I'll crank it up a little more and let it run for a few
> hours.

>

> This tells me that these two transformers back-to-back have plenty of
> capacity to handle a QRP-level (or more) transmitter. Some tubes designed
> for low B+ (e.g. 12L6, 12DB5) would run quite nicely at 130-140V. Tubes
> designed for higher voltage (12AQ5, 5763) might need a voltage doubler to
> get the most power out of them, but even these tubes should be able loaf
> along at QRP levels with 140V. So, just do it!

>

> 73,
> Mike, KK6GM

>

> P.S. Don't forget the 5763 has a 6.3V heater! Just connect it across one
> lead of the 12.6V secondary and the secondary center tap. If you use a
> separate (6V) oscillator tube connect that heater across the other side of
> the secondary to help balance the load.

Date: Sun, 30 Dec 2001 20:06:53 -0800
From: "Kent Babcock" <n8wvd@jackpine.com>
To: <qrp-1@lehigh.edu>
Subject: [116494] Re: learning CW
Message-ID: <000e01c191bc\$912fe980\$7ecec8d8@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I never passed a 13 wpm test for my general. The VE suggested I try the
20 wpm test to practice for the 13. I passed the 20. Didn't need any
more than that for the Adv. ticket.

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.310 / Virus Database: 171 - Release Date: 12/19/01

Date: Sun, 30 Dec 2001 21:48:57 -0500
From: wkhibbert@juno.com
To: qrp-1@lehigh.edu
Subject: [116495] Want: Swan Rig
Message-ID: <20011230.214859.-267019.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Definitely NOT QRP, but I am looking for a rig for a friend that let his ticket expire and is looking to get back on the air.

John is on full disability in a managed care facility and would like a Swan Cygnet, the Model 260, 270 or the Swan Cygnet DeNovo, which I think was the Model 300.

I have looked around without any luck, not even on Ebay. If anyone has one on the shelf, and would be interested in parting with it, drop me a line at my main address (listed below) and I'll pass it on to John or his wife.

This is partly a nostalgia call as the Swan's are what he ran in his early days. If you have something similar, drop me a line. It needs to have the power supply built-in and have nice BIG controls.

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"
<mailto:wb2vuo@arrl.net>

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 30 Dec 2001 21:08:40 -0600
From: "K5XU, Mike Duke" <k5xu@netdoor.com>
To: <qrp-1@lehigh.edu>
Subject: [116496] SKN in Novice Bands Anyone?
Message-ID: <007901c191a8\$829c5020\$edd394d0@k5xu>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Okay, folks, let's use the Novice bands while we have them if we are going to miss them as much as we claim!

During SKN, look for me in the 80 and 40 meter Novice bands with my J47 and Kenwood TS-570 turned down to 5 watts.

Tonight, the 80 meter Novice band is very nice. I checked into the Knight Lite Net on 3686 from my qth in Mississippi. There are only 4 or 5 qsos on the band, and no more than that below the 80 meter Novice band either.

If I don't find any other qrp-ers, I may just crank it back up to full power.

Mike Duke, K5XU, President
American Council of Blind Radio Amateurs

Date: Sun, 30 Dec 2001 22:15:07 -0500
From: "Stephen M. King" <frastephen@home.com>
To: <bowerm@ix.netcom.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [116497] Re: neophyte MP-1 question
Message-ID: <00b301c191a9\$5a2ec680\$eb600c18@burl1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "Michael Bower" <bowerm@ix.netcom.com>
> Several people have asked this so I'll provide more details.
>
> You tell me if the radials are elevated.
>
> The tripod is set up in my family room which is on the FIRST floor of a
> house with a walk-out basement. The radials are on the floor of the
> family room.
>
> Based on that, the bottom of the bracket/top of the tripod is actually
> about 10 feet above ground level (one floor above the basement) and the
> radials are also at that height and going horizontal to the ground under

> the basement.

>

> So are they elevated or not? (As you can tell, I'm easily confused when
> it comes to antennas and radials.)

Not sure ... I've never used mine inside ... when I use mine outside I find
that keeping the radials about "picnic table height" above the ground works
well

Peace and 73,
Stephen
W3SMK

>

> Michael N4NMR

>

>

>

> Stephan Greene wrote:

>

> > On Sun, 30 Dec 2001, Michael Bower wrote:

> >

> >

> >>I bought myself an MP-1 for Christmas (with Santa's permission, of
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> > our just-completed vacation to hawaii. It certainly travels well.

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> > Does changing the feedline length have any effect?
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> >>
> >
> > Don't recall - hopefully someone will refresh both our memories.
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> >>say) and with a particular setting for the whip and coil, should I
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> > Not necessarily. If I understand things correctly, the coil is used to
> > make the antenna appear to be resonant at the operating frequency. The
> > radials may not affect SWR but do affect the antenna's radiation pattern
> > and efficiency. Then again, I, too am a neophyte at this.
> >
> > Have a happy new year.
> >
> > 73, Steve KA1LM
> >
>
> -----
> > Stephan A. Greene sgreene@patriot.net ka1lm@amsat.org
> > Herndon, VA 1-703-654-6032 office 1-571-233-1194 cell
>
> -----
> >
> >
> >

>
>
> --
> 73 de N4NMR
> Michael Bower
> Ashburn, VA (near Washington, D.C.)
>
>

Date: Sun, 30 Dec 2001 19:33:05 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <bowerm@ix.netcom.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [116498] Re: neophyte MP-1 question
Message-ID: <011101c191ab\$dc801060\$5513f4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Mike,

I found the same thing when trying to tune it up inside the house. Seems to be too much interaction from the stuff in the surroundings. It works GREAT outside, especially on 10 and 20. I worked Japan 2 days in a row last week with my FT-817 on Nicad power (2.5 Watts) and the MP-1 bolted to the wooden railing on the porch of the YL's condo in Long Beach, CA. Try and load it up outside. Also, how long was your feedline? Make sure that you are avoiding the 1/4 wavelengths.

72/73's

Trev

KG6CYN

----- Original Message -----

From: Michael Bower <bowerm@ix.netcom.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Sunday, December 30, 2001 5:40 PM
Subject: Re: neophyte MP-1 question

> Stephen makes a good point and question.
>
> I'm trying to do this with an ANALYZER, not a TUNER.
>
> It is the MFJ-259B Analyzer and it covers the entire range of

frequencies.

>

> Sorry for the mis-statement in my earlier post.

>

> Michael N4NMR

>

>

> Stephen M. King wrote:

>

> > Just a point of clarification ...

> >

> > Do you mean TUNER or ANALYZER?

> >

> > You shouldn't need a tuner with the MP-1 on its designed frequencies.

> >

> > It can take a little bit of effort to find the "sweet-spot", but you should

> > be able to find low (perhaps not 1:1, but close) SWR points on the coil... I

> > found that the "template" sheet was pretty helpful.

> >

> > Also, are the radials on the ground? I find they work better elevated a

> > bit....

> >

> > Peace and 73 and HNY,

> > Stephen

> > W3SMK

> >

> > ----- Original Message -----

> > From: "Michael Bower" <bowerm@ix.netcom.com>

> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> > Sent: Sunday, December 30, 2001 5:38 PM

> > Subject: neophyte MP-1 question

> >

> >

> >

> >>I bought myself an MP-1 for Christmas (with Santa's permission, of course). I have been "testing" it today and I have what you might consider a very neophyte question.

> >>

> >>Here's the setup:

> >>

> >>standard MP-1 (collapsible whip, 40 meter coil (80 meters not in this

> >>test), standard pole (8"?)

> >>

> >>On the MP-1 tripod.
> >>
> >>Attached to the tripod are the four radials supplied with the MP-1.
> >>They are in a spoke pattern roughly but just sort of thrown out.
(They
> >>are not laying straight out and they are not evenly spaced around
the
> >>spokes.)
> >>
> >>Attached to the tripod base is an RG-58 3 foot section to an MFJ
Antenna
> >>tuner.
> >>
> >>
> >>Here's the testing:
> >>
> >>I set the MFJ to a specific frequency and then try to adjust the
antenna
> >>to the lowest SWR. In some cases, I got the SWR to 2.x: 1. In
others
> >>the best I could do was 6.x:1
> >>
> >>Now for the questions:
> >>
> >>
> >>1) I understand that the supplied radials are not quite adequate for
> >>this antenna and that I will do much better with longer radials. I
> >>think I remember seeing 16' radials on this list.
> >>
> >>Will the proper radials allow me to get very close to 1:1 or not?
If
> >>yes, is 16' the recommended length for general purpose?
> >>
> >>
> >>2) I know that radials should be specific for a specific frequency.
> >>Does this mean that I really need a radial set for each frequency
that I
> >>might want to operate from? (Or build something like the St. Louis
> >>Radials?)
> >>
> >>
> >>3) Here's the real neophyte question:
> >>
> >>With a particular radial set and position (like I have currently,
let's
> >>say) and with a particular setting for the whip and coil, should I
> >>always find SOMEPLACE where the SWR is 1:1 on the ant. tuner? In
other

> >>words, I setup the antenna, set the whip to some length, set the
coil to
> >>some position and attach the radials, should I be able to find an
SWR of
> >>1:1 someplace on the tuner?
> >>
> >>
> >>Thanks for the bandwidth. I hope my questions are confusing.
> >>
> >>Michael N4NMR
> >>
> >>
> >>--
> >>73 de N4NMR
> >>Michael Bower
> >>Ashburn, VA (near Washington, D.C.)
> >>
> >>
> >>
> >
> >
>
>
> --
> 73 de N4NMR
> Michael Bower
> Ashburn, VA (near Washington, D.C.)
>
>

Date: Sun, 30 Dec 2001 22:10:13 -0600
From: "Gordon Couger" <gcouger@couger.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116499] Re: Ironies of 10 Meter Propagation
Message-ID: <00c001c191b1\$0bfd19a0\$ab2dccc0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 17, 2001 5:57 AM

Subject: Re: Ironies of 10 Meter Propagation

I worked back scatter a few times. I was working the Falklands on the last cycle from Oklahoma and worked a station in Texas about 250 miles away. He sounded like he was way down in a well. It would take a really good antenna system to do it QRP the guys that are serious about backscatter have and ERP of at least 10,000 watts. I have only work the big guns using 100 watts into a 3 element beam. I don't think I could work another station with my ERP except under very good conditions.

Gordon

:
:
: lenny,
:
: You've just had an encounter with skip! 10 meters is a great band for
: long skip. You're asking for ground wave, and that is not so easy to
: find. Many years ago we used to have a net on 10 meters that took
: advantage of ground wave to permit communications of about 50 miles. It
: was iffy at best at the extreme ends of the range! Recently I have had
: some experience with ground wave propagation on 20 meters, trying to
: work stations 100 miles away in a contest. They were quite weak and the
: QSOs were difficult! You wouldn't probably hear them on 10 meters
: unless you set up a schedule and listened several times.
:
: 73
:

Date: Sun, 30 Dec 2001 11:14:02 -0500
From: "Walt Amos" <k8cv@netzero.net>
To: "Posts to Qrp-1" <qrp-1@lehigh.edu>
Subject: [116500] Doug Demaw, forgive me for I have SINNED
Message-ID: <000201c191b0\$53b5f5b0\$fc91d43f@walthk8cv>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Woes me! I read a Q & A book to get my license. I have sinned! It took me forever to get 20 WPM. I have sinned. I actually took a class for the extra given by our holy ARRL director at that time, Len Natelson. I have sinned. He crammed stuff into my head for I was a sinner. I copied W1AW until my

head hurt! I have sinned brother. But I was saved and redeemed by CONTESTING , yes brother , my code speed rose, my ham knowledge increased, I became a born again cw NUT. I have sinned , but now I am on the path the holy grail of QRP and CW and have been born again with EXTRA tattooed on my forehead.

Confessions of a ex SSB NET junkie and a user of the word dreaded 2 meter word , DESTINATED

Walt Amos K8CV Royal Oak, MI.

Sign Up for NetZero Platinum Today
Only \$9.95 per month!
<http://my.netzero.net/s/signup?r=platinum&refcd=PT97>

Date: Sun, 30 Dec 2001 18:28:11 -0700
From: Ron KU7Y <mswmod@bigplanet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [116501] Incentive licensing
Message-ID: <000201c191af\$696f7120\$d1c0a9d8@oemcomputer>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7bit

Hi All,

Just turned the list back on and wow!

But I'd like to point out something that almost always seems to be missing from these "histories" of incentive licensing.

> For those who weren't there, the tragedy of the process was that
> those of us who already held the General ticket were disenfranchised
> from frequencies that we had qualified to use and were, in fact, using.

That only covers one group of hams. But don't forget that not too many years before that, if you had a General class license, you could not use all the bands. 75m phone was not available as best I can remember and maybe 20m phone too. But then they changed how all that was done and the General class hams were given full access to all the bands and modes, all without having to take any tests! I have no idea if the ARRL was involved in the promotion of that idea or not but if I had to guess I'd say they must have been, to one degree or another.

But there was a very large outcry to go back to some form of licensing where you

had to increase your knowledge and/or skills to get increased privileges. The ARRL listened to it's members and the modern form of incentive licensing was born, for better or worse.

So what was taken away by the "new" incentive licensing had only been given "free" not too many years before. The only people to truly loose something they had "earned" were those who came on board during that window of time. Grandfathering all those with General class licenses ****might**** have been the better thing to do but who knows!

I'll not add to all the "woulda, shoulda, coulda" noise.

One last thing I'll mention is this..... I got my license in 52. At that time the amateur radio press was worried about the hobby dying out. Too many OF's and not enough young people to keep it going. We were loosing the number game. But..... no one ever gave out the numbers and they still don't. That has always seemed funny to me. If we were really loosing the number game why not show something like this: In 1952 we had 50K hams and now in 2001 we only have around 1000K. Opps, can't sell that lie if we use the numbers so lets not justify what we say. Lets just work on the "feel good" angle and forget the truth! :-)

(See what you get when I have too much time on my hands?)

OK, back in my hole.....

Ron, KU7Y
ku7y@qsl.net
Full Time RVing somewhere in the West
Currently in Brenda, AZ.

Date: Sun, 30 Dec 2001 21:34:43 -0700
From: "John Stevens" <john.w.stevens@home.com>
To: <qrp-1@lehigh.edu>
Subject: [116502] Amateur Radio License Summary circa 1957 (A little lengthy, but the only post on this subject from me...)
Message-ID: <00b601c191b4\$78d12dc0\$0101a8c0@k5js.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I've been seeing snippits of "how it was" in the (g)olden (before Incentive Licensing) days, but no brief, comprehensive information. Thought this might be interesting even if off topic. These are recollections from the

middle to
late 50's when I first received my Novice license ('57). There may be
picayune
recollection errors.

	Term	Exam	Privileges
Novice	1 year renewable	20 or 25 questions multiple choice mostly rules, some ohms law etc. 5 wpm code	80,40,15 xtal control, CW only, 75w. 2m Phone allowed.
Technician	5 year renewable	50 questions, multiple choice General Class exam. 5 wpm code.	All bands, modes above 50Mc. 1kw. NO Novice privileges.
General/ Conditional	5 year renewable	50 questions, multiple choice. 13 wpm code.	All bands, modes, 160m up. 1 kw.
Advanced	5 year renewable	Grandfathered no exam	All bands, modes, 160m up. 1 kw
Extra	5 year renewable	50 questions, multiple choice. 20 wpm code. Technical equiv. to 2nd Phone Commercial. Many questions identical. Two years experience required to sit for this exam.	All bands, modes, 160m up. 1 kw.

Notes: Privileges for General, Advanced, and Extra were identical.

All exams beyond Novice included the requirement to hand-draw diagrams of various types of circuits with questions about functions of parts and how the circuit worked.

Code exams required one minute perfect copy out of the five minute test. A brief sending test was required.

The Novice and Technician exams were by mail only with a volunteer examiner. The General was available by mail with a volunteer examiner as the Conditional Class only IF you were more than 200 miles from a semi-annual FCC examination point. You received no credit for the Conditional license upon upgrade to Extra. You retook the General exam and then the Extra before the FCC examiner.

Make your own comparisons and draw your own conclusions with today's licensing requirements.

The ARRL kindly provided a copy of "Your Novice Accent" for all new

licensees. My elmers at the time included several hams of ALL classes, including Novice. KN5GFC, the biggest help of all at fifteen years of age, provided many hours of on-the-air code practice and the key information to entry into Amateur Radio. I am profoundly grateful to them all, including my Mother who found KN5GFC in one of her English classes, for their help to enter Amateur Radio.

Incentive licensing worked on me as I finally got tired of not remembering some years later where I could operate as a Conditional class licensee. :-(Took the day off from work and went to the FCC in Houston and took the Novice, General, Advanced, and Extra in one morning as if I had never been a ham. Got lucky.

73 John W. Stevens K5JS
Peoria, AZ

Date: Sun, 30 Dec 2001 22:56:09 -0600
From: "Rene Correa" <correalaw@earthlink.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [116503] [Elmer 101] Next Installment
Message-ID: <000701c191b7\$77891600\$2c84273f@rene>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Any idea when the next Elmer 101 installment will be out? All my construction and measurements have gone well thus far, and I'm looking forward to the "next exciting episode".

Happy New Year.

72/73

Rene, K5JX

Date: Sun, 30 Dec 2001 21:08:33 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <john.w.stevens@home.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [116504] Re: Amateur Radio License Summary circa 1957 (A little lengthy, but the only post on this subject from me...)

Message-ID: <010001c191b9\$32aa8da0\$c35fa13f@k6qq>

> Advanced 5 year Grandfathered no exam

Not so!

When the licensing structure was changed in about 1952, the Class B was renamed General, and the Class A was *renamed* Advanced. I got a Class B in 1950, and an Advanced in 1952. When the "Incentive" restructuring happened, a lot of people wanted the Advanced to be grandfathered to Extra, but that didn't happen.

Advanced was never "grandfathered" to or from any other class. It always had its own exam.

Since there was no "incentive" for a CW op to get an Extra when it was introduced, I didn't do it until they started carving up the CW bands. I didn't want to be bothered with watching the 25 kHz band edges.

73,

John, K6QQ

Date: Sun, 30 Dec 2001 23:17:18 -0600

From: "George, W5YR" <w5yr@att.net>

To: k6qq@hdo.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [116505] Re: Amateur Radio License Summary circa 1957 (A little lengthy, but the

only post on this subject from me...)

Message-ID: <3C2FF4DE.17D787FC@att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Stretching my memory, but when I took the Extra exam in late 1954, my main motivation was to gain access to the bottom 25 KHz of most bands for CW DX. So, by then there were some restricted band segments for the Extra class holders.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262 COG 8
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

John Moriarity wrote:

> Since there was no "incentive" for a CW op to get
> an Extra when it was introduced, I didn't do it until
> they started carving up the CW bands. I didn't want
> to be bothered with watching the 25 kHz band edges.

Date: Mon, 31 Dec 2001 00:36:07 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [116506] Re: Bashing Newcomers, Extras (old vs new), Etc.
Message-ID: <20011230234554.P4407-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I seem to be confused as to where I fit in the Grand Scheme of things here on QRP-L. I started as a Lowly Tech back in May of '62. I may have only had 5 WPM Code, but I did work on real radios for Uncle Sam. Actually fixed a few: ^}

Got my General in '78 after letting my license lapse for a few years.

That is about the time that I got back into ham radio and QRPP.

Did I mention that it took me a year of Practice and Monitoring all of the Evening Sessions of W1AW to get ready for the Re-Exam to get back into ham radio?

That was only the beginning. I was content with my General and Did Only CW QRPP for years. Then i started helping some others to learn the Code and Get their ham tickets. Next thing you know I was taking a test for Advanced and then the next month the Extra. That was May 1988. I guess that means that I am in the "New Extra Category?" Why did I bother? I needed the Extra to be a VE. It didn't hurt to get a few extra KHz on the bottom end of the band. You know where you find the Juicy DX..

I like to think that I know a little about Ham Radiio and QRPP in particular, but I still need "Elmering" in a lot of areas. I am not an Engineer, or likely to become one this late in the game.

I don't think Ham Radio, or QRP is about How Well you can pass a test, or how smart you are, and certainly not what class of license that you hold.

It is really about how much fun you can have sharing what you know with others, communicating with people you have never met, in places you have never been, with equipment you may have purchased in a catalog, or built with your own two hands.

I still have the first Commercial rig that I purchased back in 1978, the Ten-Tec Argonaut 509. I wish I still had some of that old junque that i built in High school before I had a License. The old HRO would be welcome in the new shack. As would the old Knight-Kit Ocean Hopper. I do still have my 1942 Vintage Headphones that I used on that first Crystal set back in the 50's. I was only a SWL then. NO CODE KNOWN :^} Oh, I had a Boy Scout Cheat Sheet. Aka "Secret Decoder Ring" :^} Listen in on the Novice Band and Write down the Dots and Dashes, and Dream of becoming a ham some day.

It is somewhat sad to see and read all of this "Bashing of Hams" of all Classes here on the list of QRP-L. Here where we should all be good friends and helping each other to learn more about this wonderful hobby of ours.

Why are we wasting so much time bashing each other? I get the Digest, so I am usually a day behind most of what goes on here on the list. Still, I seem to be spending more and more time exercising the "Delete Key".

OTOH, I am afraid not to read it all, lest I miss one or two really interesting posts that seem to slip thru all of the [OT] stuff.

Good grief, i just realized that I have playing this game for 40 years now. About the only QRO time on the Air has been for Uncle Sam, and most of that was AM/SSB. Heck, I don't even know where the Microphone is packed now days. Oh, yes there is a Mike on the 144/440 Mobile in the Library. Had it in the old car, but never got around to putting it into the new Car.

I was just looking in the old log book to see how many QRP Clubs for which I have membership Numbers. Rough count of 20, but some of them have gone by the wayside. Plus there a few new ones that i have not yet had time to pursue.

I hate to see some of you leave the list, and I am always amazed to see how some of this stuff seems to go in cycles. Maybe there is a Moon Connection of something.

Now if I could just find some time to get on the Air and have some real QRP Fun.

I am beginning to think that "The List" is ruining all of our fun.

What happened to [Elmer 101] ? At least that was about Radio.

Sorry for taking up so much time and space, but the "Extra Class Elite" "Attitude" is not for ALL of US... To me, it means that I can have fun in the Whole Ham Spectrum" Using all the Modes that I choose.

Funny, I was just thinking, that Laser in the basement is a "Glass Bottle Baby" Hee Nee for MCW.

I hope that we can all have a Happier and Friendlier New Year.

GN es GBU

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Mon, 31 Dec 2001 02:36:36 EST

From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [116507] OT: QSL filing
Message-ID: <f7.14138fa1.29616f84@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Okay, Okay so this is sort of a basic inquiry. But I really want to get organized. I have a box full of QSL cards (big box) and do not have electronic logging. I want to file these cards in some sort of system. I have the domestic and the DX. Can any of you who have mastered this organizational aspect of ham radio share with me what works for you?

File numerically/ alphabetically such as all 7's together then A's, Ks, N's, W's?

File all by first letter after number such as KB7MBI would be filed in M's?

What about DX? By country? By number (as noted above)?

How do you keep track of countries worked? A worksheet?

Thanks in advance for your assistance and best to you all in 2002.

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

Date: Mon, 31 Dec 2001 08:44:49 -0000
From: "Thom Durfee WI8W" <wi8w@arrl.net>
To: <qrp-1@lehigh.EDU>
Subject: [116508] QRP Challenge 2002
Message-ID: <004701c191d7\$6870bea0\$6401a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

As you may know from my earlier post I have been in discussions with the now outgoing President of QRPARCI, Jim W4QO about creating a new QRP Award activity.

Creating new awards is not quite as easy as you might think. The idea is to do something that is new and unique. Practically everything has been

done by one group or another. This idea is probably no exception. Something like this has been a staple of the SWL crowd for many decades.

So here is what I have come up with. Let me state right off that I have not had the time to run this by the Board of QRPARCI to get the official sanctioning. I intend to pursue this after the new President and Board Members are in office. For now this proposal is unofficial (as far as QRPARCI) but time is short to get this started so here goes. This is the way it will run for now.

2002 QRP Challenge

Object:

Work as many stations as possible while running QRP power levels during the QRP Challenge period. Work them with any mode, any way you can.

Challenge Period:

0000UTC January 1, 2002 until 2359UTC December 31, 2002

Points System:

In order to give everyone a fair shot at winning this thing I have stolen a scoring system for each QSO based on power output used for each QSO as follows. This is basically the standard QRP Contest scoring stuff.

0- 250mW = 15 points each

250mW to 1 W = 10 points each

1 W to 5W = 7 points each

Greater than 5 watts = 0 points after all this is a QRP event

Double each power for SSB. RTTY, PSK and SSTV all use CW power levels.

Scoring:

Simple. He/She with the most points as of 2359 UTC December 31 2002 wins.

Logging:

Keep a logbook for your qso's. This can be paper or electronic. The log must contain the date, time(UTC), station worked, signal reports and SPC. QSL Cards are NOT required for this award.

Log Submission:

Logs should be submitted as often as possible (for update purposes) in one of 2 ways: Email submissions must not include attachments (my anti-virus software will not allow attachments of any kind).

via email at qrpchallenge@attbi.com

or snail mail to: QRP Challenge
3509 Collingwood SW
Wyoming, MI 49509

Updates:

The top 25 list will be submitted to the QRP-L maillist approximately every 2 weeks. There will also be a website that will be updated regularly as I receive submissions from the participants. I will announce the URL when it becomes live.

Awards:

A really nice plaque to the Overall Top Scorer

Certificates to the other top 10 winners.

Other stuff as may be offered

Awards will be presented at FDIM in conjunction with the Dayton Hamvention in May 2003. You need not be present to win but hey FDIM is so much fun and everyone will want to applaud your accomplishment.

Changes to the rules:

They may change at anytime as the need arises.

So there you have it. Go get those QSO's and have fun. If you have any questions or comments please email me but for now, with this short notice, this is what we will run with.

73

Thom Durfee WI8W
also know as the
Awards Manager QRPARCI

Date: Mon, 31 Dec 2001 08:47:36 -0000
From: "Thom Durfee WI8W" <wi8w@arrl.net>
To: <qrp-1@lehigh.EDU>
Subject: [116509] QRP Challenge 2002 Update
Message-ID: <004d01c191d7\$cc08a7c0\$6401a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One more thing. When submitting email updates please put the words QRP Challenge Update in the subject of your email. This will make it easier for me to sort all the incoming mail.

thanks

Thom WI8W

Date: Mon, 31 Dec 2001 07:19:01 -0500
From: Bob Schreibmaier <k3ph@dxis.monroe.pa.us>
To: Ron KU7Y <mswmod@bigplanet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [116510] Re: Incentive licensing
Message-ID: <20011231071901.A31370@dxis.monroe.pa.us>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

> For those who weren't there, the tragedy of the process was that
> those of us who already held the General ticket were disenfranchised
> from frequencies that we had qualified to use and were, in fact, using.

The biggest problem I had with invective licensing was not that the frequencies were being taken away. That fact is that most people were given the opportunity to earn them back -- but not me! In those days, you had to have General class for at least two years before you were even allowed to take the Extra class test. The timing of invective licensing, coupled with the two year requirement, guaranteed that I would lose those frequencies and there was nothing I could do about it.

72,
Bob

--
+----- \- \- \- \- -----+
| Bob Schreibmaier K3PH | E-mail: k3ph@dxis.monroe.pa.us |
| Kresgeville, PA 18333 | http://www.qsl.net/k3ph |
+-----+

Date: Mon, 31 Dec 2001 07:46:11 -0500
From: Jim Stiles <jjstiles@optonline.net>
To: fxtech@earthlink.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [116511] Re: neophyte MP-1 question
Message-ID: <5.1.0.14.2.20011231074122.02e35658@mail-hub.optonline.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

At 19:33 12/30/2001 -0800, Trevor Jacobs wrote:

>Hi Mike,

>

>I found the same thing when trying to tune it up inside the house. Seems
>to be to much interaction from the stuff in the surroundings. It works
>GREAT outside, especially on 10 and 20. I work Japan 2 days in a row
>last week with my FT-817 on Nicad power (2.5 Watts) and the MP-1 bolted
>to the wooden railing on the porch of the YL's condo in Long Beach,CA.
>Try and load it up outside. Also, how long was your feedline? Make sure
>that you are avoiding the 1/4 wavelengths.

>

>72/73's

>Trev

>KG6CYN

>----- Original Message -----

>From: Michael Bower <bowerm@ix.netcom.com>

>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

>Sent: Sunday, December 30, 2001 5:40 PM

>Subject: Re: neophyte MP-1 question

>

>

> > Stephen makes a good point and question.

> >

> > I'm trying to do this with an ANALYZER, not a TUNER.

> >

> > It is the MFJ-259B Analyzer and it covers the entire range of
>frequencies.

> >

> > Sorry for the mis-statement in my earlier post.

> >

> > Michael N4NMR

> >

> >

> > Stephen M. King wrote:

> >

> > > Just a point of clarification ...

> > >

> > > Do you mean TUNER or ANALYZER?

> > >

> > > You shouldn't need a tuner with the MP-1 on its designed
>frequencies.

> > >

> > > It can take a little bit of effort to find the "sweet-spot", but you
>should

> > > be able to find low (perhaps not 1:1, but close) SWR points on the
>coil... I

> > > found that the "template" sheet was pretty helpful.

> > >

> > > Also, are the radials on the ground? I find they work better
>elevated a

> > > bit....

> > >

> > > Peace and 73 and HNY,

> > > Stephen

> > > W3SMK

> > >

> > > ----- Original Message -----

> > > From: "Michael Bower" <bowerm@ix.netcom.com>

> > > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> > > Sent: Sunday, December 30, 2001 5:38 PM

> > > Subject: neophyte MP-1 question

> > >
> > >
> > >
> > >>I bought myself an MP-1 for Christmas (with Santa's permission, of
> > >>course). I have been "testing" it today and I have what you might
> > >>consider a very neophyte question.
> > >>
> > >>Here's the setup:
> > >>
> > >>standard MP-1 (collapsible whip, 40 meter coil (80 meters not in
>this
> > >>test), standard pole (8"?)
> > >>
> > >>On the MP-1 tripod.
> > >>
> > >>Attached to the tripod are the four radials supplied with the MP-1.
> > >>They are in a spoke pattern roughly but just sort of thrown out.
>(They
> > >>are not laying straight out and they are not evenly spaced around
>the
> > >>spokes.)
> > >>
> > >>Attached to the tripod base is an RG-58 3 foot section to an MFJ
>Antenna
> > >>tuner.
> > >>
> > >>
> > >>Here's the testing:
> > >>
> > >>I set the MFJ to a specific frequency and then try to adjust the
>antenna
> > >>to the lowest SWR. In some cases, I got the SWR to 2.x: 1. In
>others
> > >>the best I could do was 6.x:1
> > >>
> > >>Now for the questions:
> > >>
> > >>
> > >>1) I understand that the supplied radials are not quite adequate for
> > >>this antenna and that I will do much better with longer radials. I
> > >>think I remember seeing 16' radials on this list.
> > >>
> > >>Will the proper radials allow me to get very close to 1:1 or not?
>If
> > >>yes, is 16' the recommended length for general purpose?
> > >>
> > >>
> > >>2) I know that radials should be specific for a specific frequency.

> > >>Does this mean that I really need a radial set for each frequency
>that I
> > >>might want to operate from? (Or build something like the St. Louis
> > >>Radials?)
> > >>
> > >>
> > >>3) Here's the real neophyte question:
> > >>
> > >>With a particular radial set and position (like I have currently,
>let's
> > >>say) and with a particular setting for the whip and coil, should I
> > >>always find SOMEPLACE where the SWR is 1:1 on the ant. tuner? In
>other
> > >>words, I setup the antenna, set the whip to some length, set the
>coil to
> > >>some position and attach the radials, should I be able to find an
>SWR of
> > >>1:1 someplace on the tuner?
> > >>
> > >>
> > >>Thanks for the bandwidth. I hope my questions are confusing.
> > >>
> > >>Michael N4NMR
> > >>
> > >>
> > >>--
> > >>73 de N4NMR
> > >>Michael Bower
> > >>Ashburn, VA (near Washington, D.C.)
> > >>
> > >>
> > >>
> > >
> > >
> >
> >
> > --
> > 73 de N4NMR
> > Michael Bower
> > Ashburn, VA (near Washington, D.C.)
> >
> >

Hi All:

I have use the MP-1 inside, in a recent trip to Iowa, My second home,, I
looked out my second story window facing down hill, I could see the top of
my Neighbors beam, My radials were thrown under the bed, but definitely
elevated with regard to my neighbors beam...Worked fine , and the KAT2
tuned it with either the eight inch or the longer post in the bottom...

72 Jim Stiles, W2NJN
K2 599

Date: Mon, 31 Dec 2001 08:03:03 -0500
From: "John Dorson" <jdorson@Worldshare.net>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116512] Re: "land grab"
Message-ID: <001901c191fb\$7f5cede0\$37619c40@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm all for that...

John K2JHU...

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 30, 2001 9:56 AM
Subject: Re: "land grab"

>
> Bill,
>
> Indeed, why not!
> >
> > Hey, and why don't we have mandatory re-testing every 5 years? That
ought
> > to really cut out the dead wood....
> >

Date: Mon, 31 Dec 2001 08:09:12 -0500
From: "John Dorson" <jdorson@Worldshare.net>
To: <k7fd@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116513] Re: New Year's Bash (ing)...
Message-ID: <004101c191fc\$5b3b8ce0\$37619c40@atwork>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It was called the Bash Book. He and some other people would interview people exiting exam sites and ask what questions were on the test. He then developed this book which he sold for \$10.00 as I remember. Too much for me in those days.

John K2JHU..

----- Original Message -----

From: "- hamhobby.com -" <k7fd@hotmail.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, December 30, 2001 12:14 PM

Subject: New Year's Bash (ing)...

> Didn't a guy by the name of Dick Bash start the memorization kick into
> full
> gear? Anybody ever use his stuff? I studied from a combination of the ARRL
> License Manual and a 1964 ARRL Handbook fake...a perfect copy printed in
> Japan. A sea captain gave it to me as a gift after one of his jaunts to
> the
> orient...
>
> A must admit the technical side of ham radio did nothing to lure me into
> the
> hobby; my early days as a SWL led to dreams of faraway places and exotic
> lands. Learning (and memorizing) electronics was just a means to an end -
> it
> was the sport and romance of it all that appealed to me, not a Colpitts
> circuit.
>
> But when I got into qrp things changed a bit. Now part of the sport
> involved
> 'rolling my own'...and with the advent of kits it made it easy for me to
> climb the learning curve. Between the 'hands on' side of QRP and what I
> gleaned from internet groups like this, I boosted my own technical
> confidence by leaps and bounds. I don't have my Genius Certification yet,
> but I'm working on it ;)
>
> To those that seem to know it all, great! For those of us that struggle
> along, so be it. There is no wrong way to have fun in Amateur Radio!
>
> Happy New Year!
>
> 73, John K7FD
>
>

> congratulations

>

> ke1la joel

> in maine

>

> -----
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>

Date: Mon, 31 Dec 2001 07:17:08 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: Walt Amos <k8cv@netzero.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [116515] Re: Doug Demaw, forgive me for I have SINNED

Message-ID: <Pine.LNX.4.33.0112310716010.20083-100000@neale.gpfn.sk.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello fellow sinner.....did they put the word DESTINATED above or below
TAT00?.... ;-) ...Happy New Year Walt!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Mon, 31 Dec 2001 08:24:30 -0800

From: Joseph Mikuckis <k3chp@erols.com>

To: QRP-L <qrp-l@lehigh.edu>

Subject: [116516] 6 Meter Openings

Message-ID: <3C30913B.F35E40C8@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Don't forget to check the 6-meter band for openings. Lately the band
has been simply fantastic. Worked TG9NX, WP4LNY, TG9AJR, P43J, YV1DIG,
and YY50IG yesterday, all within an hour with FT-817 and a Halo. Happy

New Year!

Joe, K3CHP
Riverdale, MD USA

Date: Mon, 31 Dec 2001 08:20:52 -0500
From: W2AGN <w2agn@pobox.com>
To: "John Stevens" <john.w.stevens@home.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [116517] Re: Amateur Radio License Summary circa 1957 (A little lengthy,
but the only post on this subject from me...)
Message-ID: <01123108205206.03097@CC2289974-A>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Sunday 30 December 2001 23:34, John Stevens wrote:
> I've been seeing snippets of "how it was" in the (g)olden (before Incentive
> Licensing) days, but no brief, comprehensive information. Thought this
> might be interesting even if off topic. These are recollections from the
> middle to
> late 50's when I first received my Novice license ('57). There may be
> picayune
> recollection errors.
>

--

Only thing I see is that the Novice was 1 year NOT renewable. The ONLY
Advanced at the time were those that had held the old "Class A" ticket.

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>
Trustee: W3IYQ

Date: Mon, 31 Dec 2001 08:29:17 -0500
From: Jim Campbell <jim-c@nc.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [116518] OT: Exam Materials
Message-ID: <3C30682D.8CF2FC7B@nc.rr.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was first licensed as a Novice/Technician (WN4BQP/W4BQP) in 1953 before an FCC examiner. I upgraded to General in 1956 and to Advanced in 1980, also before an FCC examiner. Being retired and newly-interested in ham radio this last summer I decided to upgrade to Extra. I chose to use the ARRL Extra Class License Manual. I read each section and used the questions for that section to measure my understanding. If I didn't get the question correct, I went back and reviewed the material to better understand it. I suppose that after several iterations there was some memorization. However, I did understand the material. I understood it well enough to be able to point out an error in the material to the author, Larry Wolfgang. I keep the manual on my desk alongside the Handbook and Antenna Book because it contains good stuff.

The part of the test with which I have a beef is that relating to phased vertical antennas. The only way to answer such a question correctly is memorization (or being lucky at guessing). I refused to do that. I know that feeding phased verticals in different ways results in different radiation patterns. If I ever need to set up phased verticals I know that there are reference books to which I can refer. I did get such a question on my exam and it was probably one of the two that I missed.

Do I feel that I got my Extra "on the cheap"? No. Unlike others who breezed through the preparation and exam, I put in a good two months of preparation. I probably couldn't make such a good grade if I had to undergo the test today without some brushing up, but I believe that I could still pass it. I worked equally hard on the other exams so I feel that I have earned the privileges I have. Now I am working equally hard to get my code speed up <G>. I'm in there pitching most Cub Fox Nights and sometimes get a Truffle.

72, 73, and a Happy New Year to all,

Jim
W4BQP

Date: Mon, 31 Dec 2001 08:42:07 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <jfox6@houston.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116519] Re: Elmer needs help

Message-ID: <20011231134320.VFZD17507.imf05bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/29/01 6:33 PM, jfox6@houston.rr.com at jfox6@houston.rr.com wrote:

> I had been teaching Code Classes until the five word limit became a
> thing. If you want to get the guys and gals up to speed rather fast, send
> each character at a relatively high speed with long spaces in between
> characters. This technique has worked like a gem for my classes. The idea
> is to make the class avoid trying to count the dots etc. They get used to
> the "tone" of a character and not the dots and dashes. As the class
> progresses, reduce the space (time) between characters. finally you are
> at the speed of each character.
> I hope this is clear. Try it, it works.

It's called the Farnsworth method. And it does indeed work.

In fact, there's evidence to suggest that if you teach someone code with
elements at 25 wpm spaced out, they get to 25 wpm much faster.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Mon, 31 Dec 2001 07:30:49 -0600
From: George Franklin <w0av@juno.com>
To: w5yr@att.net
Cc: qrp-l@Lehigh.EDU
Subject: [116520] Re: Exam Materials
Message-ID: <20011231.074855.-1818891.1.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi George,

I took my Extra exam in St. Louis in June of 1952, the first time it was
given there.

The only thing I remember about the exam was that I had to draw a sketch
of a "choke joint" in a radar waveguide. I'm puzzled as to just what

that had to do with ham radio of the time, but fortunately it was covered in the ARRL Extra Class study guide.

I took my Radiotelephone 1st and Radiotelegraph 2nd exams back in '41. My only recollection about those exams is that for the Radiotelegraph 2nd I had to draw a sketch of an "emergency grid leak resistor." That consisted of a short section of rubber hose filled with sea (salt) water, with a wire stuck into the plug on each end. It seems that grid leaks in those old MOPA CW rigs often failed at sea.

I understand that the RT 2nd exam has been updated since '41 although when I worked for FCC in the late '70's there were still a few antiquated questions on the exams.

Thanks for the memories!

72/73 de George/W0AV
SOC#101, COG#1
Hamming since '35

Date: Mon, 31 Dec 2001 08:54:02 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <sjolin@swbell.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116521] Re: Fast Learner
Message-ID: <20011231135514.OXGT3777.imf04bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/30/01 11:20 AM, Dave Sjolin at sjolin@swbell.net wrote:

>I learned dots and dashes and still have problems
>with certain characters (S, H, 5, V, 4). I guess thats why 35-40 wpm
>Croation stations drive me up the wall ... S54xx

I see, but what are those Croatian stations doing in Slovenia?

(Hint: S5 is Slovenia, 9A is Croatia)

73!

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Mon, 31 Dec 2001 08:59:12 -0500
From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
To: W0rw@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [116522] Re: Need Small Keyer
Message-ID: <0FB3E78395.E062A53F-0N85256B33.000ECACD@troy.pmifeg>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Paul,
I have one of the Embeded Research Tick EMB-4 keyers. If you buy their case, it builds up about the size of a cigarette pack, complete with internal 9v battery. Current drain is so low, no power switch is needed. Check out: www.embres.com for details. My only general complaint about keyers this size is one has to remember a moderately complex command format to change particulars about the keyer. Also, you can't beat a "pot" speed control -- something also not present here.

73,
Steve
aa8af

W0rw@aol.com
Sent by: owner-qrp-1@Lehigh.EDU
12/30/2001 01:10 PM
Please respond to W0rw

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: Need Small Keyer

i need a small keyer, Like a TICK or Curtis chip CMOS, MK-60 etc....
Must have self completing dashes and run on 9V or 12V DC.
Paul W0rw@aol.com

Date: Mon, 31 Dec 2001 09:08:42 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [116523] Re: How many other exceptions?
Message-ID: <20011231140955.YLTV21672.imf01bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/30/01 8:04 AM, Karl F. Larsen at k5di@zianet.com wrote:

>CW requirements are now 5 wpm. It is still the stumbling block it
>has been from the begining. Anyone who thinks 5 wpm is easy to learn is
>wromg. In fact, after you get good at 5 wpm your ready for quick upgrade
>to 13 wpm. But that 5wpm is hard and it still keeps people from passing to
>General.

Karl,

There's nothing "hard" about CW. It is a simple skill. Like any skill, it requires practice. Practice is something that doesn't come easy to those of my generation and later.

Yeah, when I was about 12, I was convinced I was one of those people who couldn't learn the code. Maybe it was just being raised on TV or whatever.

However, when my brother became licensed in 1975, I got serious. I studied. I passed my Novice in just a few months. Within 5 year, I held an Extra.

No, the code wasn't hard, just my attitude about it.

There's no reason someone cannot learn 5 wpm code in a week.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Mon, 31 Dec 2001 14:25:07 +0000
From: Larry Cahoon <lejek@erols.com>
To: ARDUJENSKI@aol.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [116524] Re: OT: QSL filing
Message-ID: <5.1.0.14.0.20011231141240.00b5e8b0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 02:36 AM 12/31/2001 -0500, ARDUJENSKI@aol.com wrote:

>Okay, Okay so this is sort of a basic inquiry. But I really want to get
>organized. I have a box full of QSL cards (big box) and do not have
>electronic logging. I want to file these cards in some sort of system. I have
>the domestic and the DX. Can any of you who have mastered this organizational
>aspect of ham radio share with me what works for you?

Here is my system - everyone has their own system.

1. If I plan to use cards for an award - they go in their own pile. If I need the same card for more than one award, then a note goes in the first pile cross referencing the first pile.
2. Stateside cards. They are sorted by state. I don't sort within state figuring I can go through those cards.
4. DX cards are sorted by call sign. I'm not going to be using that pile to search for countries. But I will be going through it searching for a specific card and figure it will be easier to find if I have it sorted by county.
5. I keep QRP and QRO cards separate.
6. I keep all SSB cards in their own pile. I don't do much SSB and have never sent for an phone award so I just keep them in their own pile. I have only had one SSB QSO this year and about 3,500 CW, so that explains that one.
7. Tracking what countries/states/counties I have for whatever reason is all done on the PC. I use my own database I wrote in Paradox. So it pretty much does what I want it to do. If it doesn't I add a new table/form to do it. As an example I have a form that tracks the five different ways I'm working the US counties. It lists only those counties I need. I key in the two letter state abbreviation and it jumps to that state. I can then page down through the state to get to any county in the state and it will tell me which awards I need that county for.
8. Everything is stored in large index card boxes I got from Staples.

Hope this helps.

Date: Mon, 31 Dec 2001 09:21:21 -0500
From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
To: qrp-1@Lehigh.EDU
Subject: [116525] Re: [Elmer 101] Next Installment?
Message-ID: <0F1EF64428.8004B7A0-0N85256B33.004DF1F0@troy.pmifeg>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I too anxiously await the next installment... It seems some dust is gathering over the PC board and work bench, and corrosion setting in on the cold soldering iron tip..... And besides, the soldering tip wiping sponge is all dried out! ; -)

Happy New Year!
Steve
aa8af

"Rene Correa" <correalaw@earthlink.net>
Sent by: owner-qrp-1@Lehigh.EDU
12/30/2001 11:56 PM
Please respond to correalaw

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: [Elmer 101] Next Installment

Any idea when the next Elmer 101 installment will be out? All my construction and measurements have gone well thus far, and I'm looking forward to the "next exciting episode".

Happy New Year.

72/73

Rene, K5JX

Date: Mon, 31 Dec 2001 09:27:10 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <wi8w@arrl.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116526] Re: learning CW
Message-ID: <20011231142827.LKWZ21666.imf17bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/30/01 8:22 AM, Thom Durfee WI8W at wi8w@arrl.net wrote:

>It was especially hard for me when I was studying
>for the Novice back in 1977. My Elmer really did
>not have enough time with his busy schedule to
>send me Morse Code practice everyday so all I had
>was a cassette tape from the ARRL that was only 1
>hour long. Well you can imagine that it did not
>take very long before I had the whole tape
>memorized.

When I was learning, I had an Ameco LP, plus a lot of on-the-air
listening to W1AW code practice sessions, as well as fellow Novices. Back
then, it was easy to find really slow speed code on the Novice bands.

>On top of that, I had learned Morse
>Code using a flashlight while a boy scout. Handy
>you say? Nope. I would hear the sounds of the
>letters, convert it to flashes of light in my head
>and then write it down. It took me about a year
>of intense study to break that habit.

One problem that is noted, from people who learn CW at slow speeds by
looking at a list of dots and dashes, is that they tend to create a mental
image of the list. They hear the sound, translate it into dots and dashes,
then look it up in their mind. This process works at about 5-7 wpm. At
about 10 wpm, it breaks down. That's part of the reason 13 wpm was an
obstacle. You really had to learn CW by sound.

>Cw easy? Maybe for some, but certainly not for me.

Learning 5 wpm is not hard. For anyone.

>For building speed there is nothing like a good CW

>contest. It will be tough in the beginning if you
>are only at 5 wpm and most of the stations in the
>contest will be doing 30+ but I have found that
>most will slow down for you and before you know it
>you too will be up to that 30+ bracket.

I've been contesting since 1986, and I have yet to get into the 30+ bracket for general CW. Contest CW, well, I hold my own.

Don't expect to go to 30+ in one contest.

>I used the 1990 IARU HF Championship contest to
>boost my code speed from about 20 wpm to up over
>40 and believe it or not it was really fun and
>easy. Unfortunately with non-use that has slipped
>a fair bit but I don't think it will be very hard
>to get the speed back where i want it to be.

Practice is the key. Contests are very intensive practice sessions....

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Mon, 31 Dec 2001 06:32:54 -0800
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116527] VE7SL SKN Tuna Tin
Message-ID: <002601c19208\$0a06dc60\$4e11f4cc@jms>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone else firing up their Tin's tonight? I will be active on 7040 (where else!) with the Tuna Tin from sunset on. Hope to see many others as well. Crank in the 250 cycle filters, it could get messy!

73 / Steve / VE7SL

Date: Mon, 31 Dec 2001 09:37:04 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: k8cv@netzero.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [116528] Re: Doug Demaw, forgive me for I have SINNED
Message-ID: <3C307810.F74DF376@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Walt,

Tep, confession is good for the soul I guess I'd best confess too...
Way back when, in about 1953, I was confined to bed with Rheumatic
Fever. For entertainment I had an old Philco radio that also covered 6
to 12 mc. I used this radio to listen to radio amateurs on 40 meters.
How did I know they were radio amateurs? They used to identify by
saying :this is Radio Amateur Station W8XYZ"!

I was intrigued to say the least, I wanted to know more! I lived in a
small town in Northern Ohio, population 12000! When I again got back on
my feet I went looking for more information. I found Olson's Radio in
Akron (the original store!). There I was able to purchase a Q&A Manual
and a copy of "How to Become a Radio Amateur". Not all at once, I was
just a freshman in high school, but I eventually got the pair and a
Handbook as well! I studied the Q&A manual, and the Handbook.
Eventually, in late 1955, i managed to pass the Novice license. I was
on my way!

Why, oh why, you say, didn't I find an Elmer amongst the local hams?
Well by actual count there were only about 10 hams in my town, and all
of them were older gentlemen. My father didn't know any of them (I
guess they weren't into hunting), so I was reluctant to ask for any
help. I went it alone. I studied my Q&A manual, even copying the
questions out until I knew them by heart. I learned what they meant
later, through personal experience and study. I'm one of the many that
Steve Weber referred to.

Learning the code was even harder. I had no one to send me the code and
so I had to devise other methods. I tried records, they were a flop, I
memorized them very quickly! I found a method in Popular Electronics
that involved learning a few characters at a time by their sound. In
about 3 weeks I was copying 8 wpm and asking myself why I thought it was
so hard!

Ham radio helped me develop the skills of learning, and also gave me a

very large leg up over all the other Electrical Engineers I went to school with. In a class of 70 I was the only ham!

I have sinned. I have testified. I am not unhappy!

73

Date: Mon, 31 Dec 2001 09:42:17 EST
From: Drbob92031@aol.com
To: qrp-1@lehigh.edu
Subject: [116529] learning CW and at a good speed
Message-ID: <79.20aab313.2961d349@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi just my own history here;

I found for me that by listening to CW sent at about 20+ characters/min, with sufficient space between characters I was able to learn the code at that fast speed by recognizing the sounds for each character. As I became aware of each character at the 20+ speed I had the space between each character lessened and found that I was copying At 20+ characters/min.

I imagine that when you learn CW at a slow (5,7,or 10 letters or words/min) Every time you go to a higher speed you have to relearn everything. It worked better doing it in reverse (for me) by starting fast and lessening the space between characters.

My \$0.02 worth de WA2EAW..Bob

Date: Mon, 31 Dec 2001 09:44:27 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: frastephen@home.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [116530] Re: neophyte MP-1 question
Message-ID: <3C3079CB.DEFAFEA2@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steven,

>

> You shouldn't need a tuner with the MP-1 on its designed frequencies.

>

WRONG! The MP-1 is a quarter wave vertical that has been shortened. The very best SWR you can expect is 1.35:1. This is found by taking the output impedance of your transmitter, a nominal 50 ohms, and dividing it by the base impedance of the antenna, 37 ohm maximum for a full sized quarter wave vertical! A short vertical will have a MUCH lower base impedance. This can be found in the ARRL Antenna Handbook. In order to protect your rig, and also to get maximum power transfer, you need a tuner!

73

Study, it's the key to knowledge!

Date: Mon, 31 Dec 2001 09:49:01 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: mjsilva697@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [116531] Re: Back-to-back xfmrs driving a voltage doubler
Message-ID: <3C307ADD.C15EBE47@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike,

Where are you drawing more power? At the input or at the output? A voltage doubler does nothing to the input circuitry. It can only double what's there. If you are violating the input circuits power handling capability I can understand. BUT you cannot get more out by using a voltage doubler. You do double the voltage, but you halve the current!

73

Date: Mon, 31 Dec 2001 09:54:54 -0500
From: Dave Fouchey <dafouchey@home.com>
To: k8cv@netzero.net,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116532] Re: Doug Demaw, forgive me for I have SINNED
Message-ID: <4.1.20011231094829.0098de00@localhost>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yeah well if you are TRULY repentant I suspect he would forgive ya...

Sheesh guys if this is the worst we have to worry about then life is GOOD.

For my General I read and re-read everything I could get my hands on, mostly the ARRL Handbook, went down to the FCC Office in Detroit and on a lark decided to take the Advanced at the same time. Lo and Behold I slipped up and passed it first time. Then I got lazy and never went for the Extra, even though I had my First Class ticket and was fairly proficient at CW. So now I guess it is time to go ahead and get the Extra, even under these more relaxed standards. Will that mean it is any "Less Worthy" than if I had gotten it earlier? I don't think so. It just means I get access to a few more frequencies. Lighten up folks, this is a hobby, we are here to have some fun, gain a bit of knowledge and share the experience. /not leap at every ones throats with knives drawn.

Stepping off soap box now.

73/72

Dave

WA4EMR/8

Sterling Heights, MI

At 11:14 AM 12/30/2001 -0500, Walt Amos wrote:

>Woes me! I read a Q & A book to get my license. I have sinned! It took me
>forever to get 20 WPM. I have sinned. I actually took a class for the extra
>given by our holy ARRL director at that time, Len Natelson. I have sinned.
>He crammed stuff into my head for I was a sinner. I copied W1AW until my
>head hurt! I have sinned brother. But I was saved and redeemed by CONTESTING
>, yes brother , my code speed rose, my ham knowledge increased, I became a
>born again cw NUT. I have sinned , but now I am on the path the holy grail
>of QRP and CW and have been born again with EXTRA tattooed on my forehead.
>

>Confessions of a ex SSB NET junkie and a user of the word dreaded 2 meter
>word , DESTINATED

>

>Walt Amos K8CV Royal Oak, MI.

>

>

>-----

>Sign Up for NetZero Platinum Today

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><http://my.netzero.net/s/signup?r=platinum&refcd=PT97>

Dave

"If men had wings and bore black feathers, few of them would be clever enough to be crows." -- Rev. Henry Ward Beecher, mid 1800s

Your radials are elevated. The real problem is that they want to be resonant, because they don't have the real earth ground close enough to couple into. If your radials are 16 feet long, your antenna should perform well on 20 meters. It should get progressively worse as you either go up or down in frequency. Replace one of them with a 33 foot radial and see what it does to your 40 meter performance. Reduce the length to 8 feet and see what it does to 10 meters.

This is the reason I preach about Ground Tuners. They will let you use an 8 foot piece of wire on all bands and make it resonant!

73

Date: Mon, 31 Dec 2001 09:59:02 -0500
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [116535] Power distribution/PA bias switching question
Message-ID: <20011231.095937.-143769.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

I know I should know this. It's part of a design that was an every day event for me 22 years and some ago, but I want to make sure before I blow any more stuff up.

The design is the Motorola AN762 application notes for the MRF454 series transistors. Solid state PA system, two transistors in so-called "push-pull" configuration. Wide band ferrite transformer output. Same thing you see in the K2, TR7, other solid state radios. The high current Vcc is always hooked up with the 13.8 VDC hosed up to the collectors of the trannies. A bias voltage is regulated & available on the board. In the appl notes the bias is constantly hosed up to the bases of the trannies.

Now, in the TR7, the SG2020 & the K2, the bias voltage is off during receive. In other words, the PA trannies always have B+/Vcc hosed up to 'em. The bias is present only in transmit. This works out kinda weird, 'cause it means that even if you have the PA bypassed, the trannies are still gonna draw current when they aren't doing the amplifying. Thus the Argosy 525 always draws at least 4A on transmit, even with the output switched to "low power."

My question comes to this: Even though I have evidence proving this idea correct, do I stand a chance of blowing things up this way? Or: can I configure the AN762 amplifier circuit so that the bias is present only in transmit?

Second time I've changed the trannies in this beast since before Christmas. (Should'a seen it. One of the trannies blew it's little pillbox hat off. I mean, I'm sittin' here and I hear this little click. Little 'cause it was a click noise, noticeable 'cause I heard it . . . as if were coming from the bookshelf. Turns out I'd flexed the little wings too much replacing the blown up ones so it put stress on the innards of the tranny, at which point, after a bit of use, it blew its top.)

Gives me an excellent opportunity to put the amp in a larger box & possibly put the SEC1223 power supply in the box with it. And make the repair set up more ergonomic, in case I gotta do a repeat performance.

And who knows, I might learn something. Again.

73

Nils

. . . now I think I understand why CBers/Freebanders call these amps by the number of "pills." . . . Morons . . .

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

W8IJN -- <http://www.geocities.com/nilsbull/w8ijn>

"In MY day we FIGHT to have earphones! Every DAY was STRUGGLE!"

-- Comrade Nikolai Sergeievich McTovarishov, 19

Oct 1917

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Date: Mon, 31 Dec 2001 10:11:10 -0500

From: Michael Bower <bowerm@ix.netcom.com>

To: rod@n0rc.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [116536] Re: on [extra] Licencing

Message-ID: <3C30800E.1050201@ix.netcom.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=windows-1252; format=flowed

Content-Transfer-Encoding: 7bit

Thanks, Rod. We needed the humor.

Let's have a great year next year.

Michael N4NMR

Rod N0RC wrote:

> Help,
>
> It turns out I'm not a "real extra", I got mine in 1998. And to make
> matters worse I read and memorized answers from the ARRL license
> manuals. After skimming some of the latest flame war I decided the
> right thing to do is give back my license to the FCC and quit amateur
> radio.
>
> Why quit? Can't be a real expert!
>
> But I can't find the link on the FCC page to surrender my license!
>
> Bet if I was a "real extra" I could find that link.
>
> ***Happy Holidays***
> 73, Rod N0RC ...the militant...
> Ft Collins, CO
>
>
>

--

73 de N4NMR
Michael Bower
Ashburn, VA (near Washington, D.C.)

Date: Mon, 31 Dec 2001 10:21:27 -0500
From: W2AGN <w2agn@pobox.com>
To: "Rod N0RC" <rod@n0rc.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116537] Re: on [extra] Licencing
Message-ID: <01123110212703.03206@CC2289974-A>
Content-Type: text/plain;

Hi, Mike. Thanks for the quick response. I hear you about those obligations. We've got to take care of them. Thanks much for sharing your time with us. Happy New Year.

73. Rene, K5JX

Date: Mon, 31 Dec 2001 10:22:01 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: wi8w@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [116539] Re: QRP Challenge 2002 Update
Message-ID: <3C308299.832CF558@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thom,

If you are going to give your award at FDIM 2002, why extend the period until December 31, 2002?

83

Date: Mon, 31 Dec 2001 10:31:22 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [116540] Re: on [extra] Licencing
Message-ID: <3C3084CA.D3A6D91@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I memorized questions & answers...

...but did not inhale ;-)

Paul K4FB

Date: Mon, 31 Dec 2001 09:31:41 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [116541] RE: learning CW. Authentic Geezer Gibberish!!
Message-ID: <01C191DD.F530CAA0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

The way I learned would horrify moden day CW Education PhDs.

My mentor had a CW record album. I mean ALBUM--a book like thing containing 78 RPM records in individual sleeves. Me & a couple buddies would stay after school (7th grade?) and use their record player. Get this--the lessons were divided into letter groups thusly:

EISH54
TM009X
ARLWJ1

... and so on.

Of course you couldn't do much beyond learning the characters with that. But we'd practice sending with a key. No CPO. I got pretty good at copying clicks, telegraph style. But another thing was to fire up the radio at home. Only thing is--it's one of those in a pretty wooden case and of course has no BFO. But you could copy a strong signal from its hiss. Or if you were lucky, it would make a beat note with a nearby broadcast station that you could copy. This was also cool--it had "magic eye" tuning. You could see the thing wink at you in time with the CW.

And here's a way I got around that no CPO (that's code practice oscillator) problem. Remember those signals in the SW band that just sounded like a loud buzzing? What the heck was that? (No, not the woodpecker--we're talking 1961.) Anyway, I'd tune in one of those and put the key in line with the antenna. Close the key--buzzing sound. Open--silence (sort of).

(Why do I suddenly feel really old?)

My first key that would make a tone came from Burstein-Applebee. Key and little high pitched buzzer and D-cell battery all on a bakelite base. Remember that one?

The foregoing in no way implies any kind of superiority to hams who happened to start later. Probably the opposite is more like it. Also, I didn't have more "gumption" or whatever you call it, than kids today. Life

(Well, I did choose that last option pretty often.)

Nick, WA5BDU

Rod NORC wrote:

The non militant

Jerry
W3CDE

Date: Mon, 31 Dec 2001 08:29:27 -0700
From: "John Stevens" <john.w.stevens@home.com>
To: <qrp-1@lehigh.edu>
Subject: [116543] OT: Novice Term
Message-ID: <001201c1920f\$ef988740\$0101a8c0@k5js.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

You proofread and proofread because you know there are sharp eyes out there.
Then you go make it pretty and edit out the Non-renewable for the Novice
class license term circa 1957... Bad enough with the recollection errors,
now editing errors. The table is no longer suitable for framing. :-(

73 and Happy New Year, you ALL!

John K5JS

Date: Mon, 31 Dec 2001 09:41:28 -0600
From: Mike <mmorrow@companet.net>
To: w0av@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [116544] Re: Exam Materials - Commercial Telegraph (OT)
Message-ID: <3C308728.89B@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George Franklin wrote:

> I understand that the RT 2nd exam has been updated since '41 although
> when I worked for FCC in the late '70's there were still a few
> antiquated questions on the exams.

Hi George,

When I took the commercial Second Class telegraph exam over 20 years
ago, the exam materials had a 1964 date on them. They reflected 1950s

technology at best, though I doubt that anyone taking the same exam in the 1930s would have found anything surprising from a radio technology standpoint (no solid-state). About ten percent of questions required drawing or correcting or completing schematics and the like. One could still pass based on the multiple-choice questions alone, so on that basis my examiner didn't bother to grade the non-multiple choice questions.

The two Morse one-minute-out-of-five perfect copy receive and send-with-straight-key exams of 16 wpm random character code groups and 20 wpm plain language were still in use, as they had been for many decades. I found the random character code group test at what seems to be a very slow speed of 16 wpm to be very challenging! Theoretically, five mistakes in the 400 characters that were sent in five minutes could result in failure, if the errors were spread out such that an 80 character copy without error wasn't produced. With random characters, it was impossible to correct an error in copy based on context. I practiced for the code groups by listening to a USN station on 8080 kHz, and by making home-made tapes. I would have loved then to have had the excellent little MFJ-418 Code Tutor.

I enjoyed preparing for the commercial telegraph exam. It had all of the characteristics that real old timers described of their early ham exams. I wonder if the FCC still grants licenses, since commercial radiotelegraph went extinct in the US on July 12, 1999. I let my ticket lapse. With fees and photographs it was costing me about \$50 to renew every five years.

73,
Mike / KK5F

Date: Mon, 31 Dec 2001 09:47:37 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'nilsbull@juno.com'" <nilsbull@juno.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [116545] RE: Power distribution/PA bias switching question
Message-ID: <01C191E0.2EE75960.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I know a real expert will set us straight sortly, but I always thought that the base bias was adjusted so the transistors were *barely* conducting with no signal. Like maybe milliamps. That would eliminate the dreaded "crossover" distortion that occurs when the tag-team transistors make the tag. That 4A figure sounds huge!

Reminds me--I once tried to fix a friend's Pioneer SX-1250. Remember the stereo amplifier "arms race" of the late 70's that finally culminated in 160 watt (RMS) per channel receivers? Anyway, I tried a 'little tweak' on one of those base adjustment pots. The effect was very impressive! And my friend needed new "finals" in his receiver.

72--Nick, WA5BDU

(Now older, sadder, wiser, and with more scar tissue.)

-----Original Message-----

From: nilsbull@juno.com [SMTP:nilsbull@juno.com]

A bias voltage is regulated & available on the board. In the appl notes the bias is constantly hosed up to the bases of the trannies.

Thus the
Argosy 525 always draws at least 4A on transmit, even with the output switched to "low power."

Date: Mon, 31 Dec 2001 08:47:51 -0700
From: Thomas <ac7a@gci-net.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [116546] OT: CQ Magazine Contest Results
Message-ID: <3C3088A7.9F1DA503@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Maybe this isn't as OT as most of the noise here on QRP-L.

Does anyone know if CQ magazine posts contest results anywhere besides the magazine? I dropped my subscription a few years ago, and everywhere I've checked in town no longer carries the magazine.

I'd like to see how I did in the CQWW 160 contest earlier this year.

Thanks, Thomas - AC7A

Date: Mon, 31 Dec 2001 10:52:29 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [116547] Re: QRP Challenge 2002 Update
Message-ID: <3C3089BD.59AFCFDE@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Please forgive my ignorance, but what is FDI and SPC?

Thanks and 73,
--Alex

Date: Mon, 31 Dec 2001 10:44:45 -0500
From: "Steve Hudson" <sdhudson@cahners.com>
To: <qrp-l@lehigh.edu>
Subject: [116548] For Sale -- QRP rigs and other items
Message-ID: <000d01c19212\$12459060\$06aab23f@acpdceditor>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks -- Daughter is heading to college, and books must be paid for. So...

For Sale, prices don't include shipping/insurance from 30004:

Item 1:

Ten Tec Argonaut 509. Works fine, includes manual. This radio has some very neatly done modifications, done by a previous owner. On the front panel, a small center-off toggle switch has been added to turn the RIT on (when switch is up) and off, with an LED to indicate when the RIT is on. The original RIT pot has been replaced with a new unit. The down position of the switch switches 12 volts to a line that is available for future connection. The down position is neatly labelled CAL on the front panel. To the right of this toggle switch, a second matching (but not center-off) toggle switch (and matching LED) has been installed. This switch switches a 12-volt line which is presently not connected to anything. This switched 12-volt line is brought out for control of some future addition (audio filter, perhaps). Above the drive control, an LED has been mounted. It is not presently connected to any other circuitry. The antenna connector has been replaced

with an S0-239, and the key jack has been replaced by a quarter-inch jack. A plug/jack combo has been added to allow easy disconnection of the speaker when the top cover is removed (I never understood why Ten Tec didn't do this anyway!) These mods were done by a previous owner and are very neatly done. According to the previous owner and to documentation with the radio, it was returned to Tentec for PTO rebuild and dial cord replacement, plus switch/pot cleaning, in March of 2000. \$225.

Item 2: Ten Tec Century 21. Works fine, includes original manual. The C/21 covers 80, 40, 20, 15, and 10 meters and includes the additional 10-meter crystals offered by Tentec. CW only, power output is front-panel adjustable down to zero. \$160.

Item 3: Bencher XZ-2 audio filter. Very, very nice performer, beautiful condition. Front panel has switch for "OUT-SSB-150-115-90-OUT" plus PHONES jack plus "TUNE" control. Output comes from front headphone jack or from rear phono jack. With documentation. \$35.

Item 4: MFJ Pacesetter keyer/Bencher paddle combo. This is the one with the keyer mounted directly on the Bencher paddle. Excellent condition, works perfectly. \$60.

Item 5: MFJ noise bridge MFJ-202, the old one in the blue cabinet. Works fine. No documentation. \$15.

Item 6: MFJ noise bridge MFJ-202B, the new one in the black/beige cabinet, with the EXPanded/NORmal scale switch. Line new condition, works fine. No documentation. \$25.

Item 7: Eight National Electronics NL950S/7440 readout tubes. Appear to be new. \$5 for the batch.

Item 8: Split stator variable capacitor, labelled "MMFD 75" with quarter-inch shaft. Plate spacing approximately 1/12 inch. Ceramic insulation. Appears new, connection lugs have never been soldered to. \$8.

Item 9: E.F. Johnson "50D70" variable cap, 50 uf, 7000 volts. Appears to be new. \$10.

Date: Mon, 31 Dec 2001 11:01:28 -0500
From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [116549] Re: on [extra] Licencing
Message-ID: <003801c19214\$68acf090\$0c352bd1@bmurrey2K>

MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

You know what Rod, maybe Jerry Springer should have a show about guys like us. I too earned my ticket by memorizing the code. Yes, that's right, I memorized the code instead of actually learning the code. Had I only done it the right way, I might be an Extra by now.

NEXT on JERRY!!! GUYS WHO PASS TESTS BY KNOWING THE ANSWERS!!!

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

----- Original Message -----
From: "Rod NØRC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 31, 2001 9:59 AM
Subject: on [extra] Licencing

> Help,
>
> It turns out I'm not a "real extra", I got mine in 1998. And to make
> matters worse I read and memorized answers from the ARRL license
> manuals. After skimming some of the latest flame war I decided the
> right thing to do is give back my license to the FCC and quit
amateur
> radio.
>
> Why quit? Can't be a real expert!
>
> But I can't find the link on the FCC page to surrender my license!
>
> Bet if I was a "real extra" I could find that link.
>
> ***Happy Holidays***
> 73, Rod NØRC ...the militant...
> Ft Collins, CO
>

>
>

Date: Mon, 31 Dec 2001 11:00:42 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: <kr1st@amsat.org>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116550] RE: QRP Challenge 2002 Update
Message-ID: <MMEDLKDLONJOAIGICDJAMEGCCAAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

FDIM is For Directions Insert Mastercard I think. KIDDING, it's Four Days In May. The big QRP forum held during Hamvention.

SPC is short for State/Province/Country, used in contest as part of an exchange.

72, oo
Dan, N8IE
FPQRP #-6, FISTS #4985
QRP-1 #1404, ARCI #11003

-----Original Message-----
From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of Alex
Sent: Monday, December 31, 2001 10:52 AM
To: Low Power Amateur Radio Discussion
Subject: Re: QRP Challenge 2002 Update

Please forgive my ignorance, but what is FDIM and SPC?

Thanks and 73,
--Alex

Date: Mon, 31 Dec 2001 11:17:24 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: kr1st@amsat.org

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [116551] Re: QRP Challenge 2002 Update
Message-ID: <3C308F94.732DA314@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alex,

>

> Please forgive my ignorance, but what is FDIM and SPC?

>

FDIM means Four Days In May, the QRP ARCI's annual QRP love in at Dayton. SPC means States, Power, and Countries (or something like that!). It is the way the QRP ARCI scores contests.

73

Date: Mon, 31 Dec 2001 16:18:52 -0000
From: "Hubert Smits" <hubert.smits@btinternet.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [116552] RE: Elmer needs help
Message-ID: <0000001c19216\$d8ebea80\$03000000a@hpbig>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Bill et al,

A method based on this principle is the Koch method, info on <http://griffy.nmt.edu/sara/sara/finley.sm404.html> I worked with it and it is great. I used a program called MorseCat (www.morsecat.de) and build a long vocabulary to practice with (after I got proficient with random characters).

Success!

73 de Hubert MM0GMM

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Bill Coleman
Sent: 31 December 2001 13:42
To: Low Power Amateur Radio Discussion

Subject: Re: Elmer needs help

On 12/29/01 6:33 PM, jfox6@houston.rr.com at jfox6@houston.rr.com wrote:

> I had been teaching Code Classes until the five word limit became a
> thing. If you want to get the guys and gals up to speed rather fast,
> send each character at a relatively high speed with long spaces in
> between characters. This technique has worked like a gem for my
> classes. The idea is to make the class avoid trying to count the dots
> etc. They get used to the "tone" of a character and not the dots and
> dashes. As the class progresses, reduce the space (time) between
> characters. finally you are at the speed of each character.
> I hope this is clear. Try it, it works.

It's called the Farnsworth method. And it does indeed work.

In fact, there's evidence to suggest that if you teach someone code with
elements at 25 wpm spaced out, they get to 25 wpm much faster.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Mon, 31 Dec 2001 11:29:15 -0500
From: W2AGN <w2agn@pobox.com>
To: Bruce Muscolino <w6toy@erols.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116553] Re: QRP Challenge 2002 Update
Message-ID: <01123111291505.03206@CC2289974-A>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Monday 31 December 2001 11:17, Bruce Muscolino wrote:

> Alex,
>
> > Please forgive my ignorance, but what is FDI and SPC?
>

> FDIM means Four Days In May, the QRP ARCI's annual QRP love in at
> Dayton. SPC means States, Power, and Countries (or something like
> that!). It is the way the QRP ARCI scores contests.
>
> 73

--

That's States, PROVINCES (like in Canada), Countries

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>
Trustee: W3IYQ

Date: Mon, 31 Dec 2001 16:54:33 -0000
From: "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116554] Re: QRP Challenge 2002 Update
Message-ID: <010d01c1921b\$d39c6960\$27194e0c@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

State, PROVINCE, Country

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 31, 2001 04:17 PM
Subject: Re: QRP Challenge 2002 Update

|
|
| Alex,
| >
| > Please forgive my ignorance, but what is FDIM and SPC?
| >
| FDIM means Four Days In May, the QRP ARCI's annual QRP love in at
| Dayton. SPC means States, Power, and Countries (or something like
| that!). It is the way the QRP ARCI scores contests.
|
| 73

Date: Mon, 31 Dec 2001 09:00:03 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [116555] RE: on [extra] Licensing
Message-ID: <000801c1921c\$971ec400\$2802a8c0@RAMcCarty>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

FWIW,

The Good, the bad, and the ugly truth about the KD6CC license.

First licensed in 1965 (13 years of age) as WN6UEN, using rote memorization. FAILED! The first attempt (They changed the question pool). Passed the second time with a whole new question answer data bank memorized. Passed the General exam in the same manner 9 months later, promoted to WB6UEN.

At that time I could not originate an answer to a technical question if my life depended on it.

Licensed lapsed, decided to become active again but made the commitment to understand the theory behind the questions. Studied by using Schrader's, numerous basic electronic theory books and an old Navy Electronics course I found at the Library checked out one issue at a time. Passed the Novice exam and became KD6FSW.

Thus began my electronics career.

Studied further and became KD6CC Advanced and then KD6CC Extra.

As an aside, I do not hold a college degree. I obtained my current positions by cracking open doors, and then bulldozing them down with a demonstrated ability. For younger folk that may be reading this, believe me when I say the degree does matter for I faced many a door I could not move an inch. However, the pertinent point to the discussion is the commitment to UNDERSTAND electronics theory in the pursuit of my license, led to these opportunities.

Roger KD6CC
Technical Engineer,
Field Quality Engineer / Management
Mitsubishi Digital Electronics America

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf
Of Rod N0RC
Sent: Monday, December 31, 2001 7:00 AM
To: Low Power Amateur Radio Discussion
Subject: on [extra] Licencing

Help,

It turns out I'm not a "real extra", I got mine in 1998. And to make matters worse I read and memorized answers from the ARRL license manuals. After skimming some of the latest flame war I decided the right thing to do is give back my license to the FCC and quit amateur radio.

Why quit? Can't be a real expert!

But I can't find the link on the FCC page to surrender my license!

Bet if I was a "real extra" I could find that link.

Happy Holidays

73, Rod NORC ...the militant...
Ft Collins, CO

Date: Mon, 31 Dec 2001 11:04:44 -0600
From: "George, W5YR" <w5yr@att.net>
To: aa4lr@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [116556] Re: How many other exceptions?
Message-ID: <3C309AAC.E5D89E91@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Beating further on this poor horse, my younger son at age 12 learned 26 characters and 10 numerals in one evening! I checked him the next evening and he could recognize each one without fail or error.

We practiced with me sending and him copying for a week, about an hour each evening. I then gave him the Novice test (it was legal back then for a relative to do so) and cranked up the speed to 7 wpm by actual timing (I had practiced!) telling him it was just a warmup to get ready for the "real" test. He copied almost 100% at that speed having far more correct copy than 25 characters in a row. He passed his Novice written and got on the air with my station.

To get to the end point, he took the General and Advanced about 6 months later before the FCC, passed his 13 wpm and the General and flunked the Advanced. For incentive, I told him that I would buy the 2-meter rig of his choice when he got his Extra. We went back to the FCC a month later (had to wait in those days) where he passed the 20 wpm code with perfect 5-minute copy, passed the Advanced and the Extra written, and got his 2-meter radio!

He went from no-code capability to Extra in about 9 months and was an Extra at age 13!

Now, he is a natural linguist with facility now in several foreign languages, so he has an ear for such things, but the ease with which he learned the characters and progressed to passing his Novice test convinced me that although exceptional he was typical of what a person can do when motivated.

I also taught aural and visual code for the Air Force in the early 50's taking cadets from 0 to 5 wpm sending and receiving sound and blinker. I had 40 classroom hours to do this - my average was a little under 20 hours with my best class (about 35 students) checking out in 11 hours total. I never had a student fail to pass.

So, my experience is that 5-wpm code may be difficult for some, but unless there is a genuine learning disability or other factors involved, the "average" guy/gal wanting a ham ticket can learn 5 wpm readily with only modest effort.

I disagree strongly with the notion that code should be learned with 5-wpm the end goal. Doing so can invite seriously wrong learning habits and prevent one from ever progressing much above the 5-wpm level. A lot of our new 5-wpm hams are probably finding that out the hard way.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262 COG 8
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Bill Coleman wrote:

>
> On 12/30/01 8:04 AM, Karl F. Larsen at k5di@zianet.com wrote:
>
> >CW requirements are now 5 wpm. It is still the stumbling block it
> >has been from the begining. Anyone who thinks 5 wpm is easy to learn is
> >wromg. In fact, after you get good at 5 wpm your ready for quick upgrade
> >to 13 wpm. But that 5wpm is hard and it still keeps people from passing to
> >General.
>
> Karl,

<big snip>

> There's no reason someone cannot learn 5 wpm code in a week.

Date: Mon, 31 Dec 2001 12:05:54 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <nkennedy@tcainternet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [116557] RE: Lehigh Univ. (was: Remove from List)
Message-ID: <20011231170707.CFH18093.imf07bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/30/01 8:58 AM, Nick Kennedy at nkennedy@tcainternet.com wrote:

>
>-----Original Message-----
>From: Bill Coleman [SMTP:aa4lr@arrl.net]
>>The intent was to "incent" hams to upgrade to
>>Extra. It didn't work.
>
>
>It worked on me.

You're in the minority. Many, many hams quit altogether. Quite a few remained stuck at their extant license class.

And, in the long run, Incentive Licensing didn't work. Despite the incentive, only about 15% of hams obtained Extra.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
-- Wilbur Wright, 1901

Date: Mon, 31 Dec 2001 11:15:45 -0600
From: Jim <sunwatt@starband.net>
To: DigitalRadio <digitalradio@yahoogroups.com>,
MixW-L <mixw@yahoogroups.com>, QRP-L <qrp-l@Lehigh.edu>,
Subject: [116558] Hell on wheels
Message-ID: <3C309D41.93182C6D@starband.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

For around a month now I've been enjoying operating digital modes from the cab of my pickup truck. Every Sunday afternoon my wife has ballet classes in Fayetteville, Arkansas. When the fall time change comes around, it's dark when she drives home, and since she has poor night vision, I ride along. This has been a great ham operating opportunity for me. Until now my standard operating mode has been QRP CW. This year I wanted to try digital modes.

After I drop her off for her classes at 1:30PM, I head for a quiet spot outside of the city. It's a little cemetery where my granddaughter is buried. After I visit her, I move the truck to one corner of the place and setup my equipment.

First I setup my PW-1 screwdriver type antenna, and adjust it with my MFJ-249 SWR analyzer. Its easy to get a flat reading on 20M, and above but for some reason I cant get decent SWR's on lower bands.

For a rig I use my old Index Labs QRP+, which gives me about 2 watts on SSB. I strap my Toshiba Satellite laptop to the steering wheel with a bunji cord. Both the QRP+ and laptop are plugged into a the trucks 12.7v battery system. I attached some #10 stranded wire to the battery + and - posts, and run it to the cab up through the gear shift rubber boot. I use a house type polarized receptacle, and plastic box, and made up power cables for the rig and computer, with regular AC power cord (polarized plug) and splice the right sized DC coaxial plug on the end.

After attaching the homebrew interface cables to rig and laptop, I adjust the volume so I get maximum power on my wattmeter, and then back off that a little. By then its around 2:00 to 2:15PM.

There is always PSK31 action around 14.070mHz, and at times I answer CQ's, but normally I prefer to call CQ myself. The best place for calling CQ with only 2 watts is on either side of the 14.070mHz

window, so I am less likely to be QRM'd.

After a few Sundays of this its going very smooth, and easy to make some QSO's and rag chew on PSK31.

Since my software is MixW 2.0 its easy to change to try other modes. I have been hearing Hellscheiber, and MFSK stations around 14.080MHz so I gave them a try the past two Sundays and that worked pretty well.

Yesterday after a nice Hellschreiber QSO I gave MFSK a try, but a RTTY station started TX'ing right on top of us, after someone answered my CQ. I lost him after I QSY'd, but maybe next Sunday I'll be able to have a MFSK QSO.

My rig is preset to the proper sideband for each ham band, so I cant operate on LSB on 20M. Otherwise it would be pretty easy to use RTTY from the cab of my truck.

Her class is over at 4:30PM so around 4:15PM I QRT, and quickly pack up my gear, and antenna. Its getting dark by then, and we have a 1 1/2 hour drive back to the Boston range of the Ozarks in Newton county.

If anyone wants to arrange a sked, please email me, or just look for me 2:15PM to 4:00PM, on the high or low side of the PSK31 window around 14.070MHz. We can do PSK31, or move up to 14.080MHz for Hellschreiber, or MFSK. If you need a QSL card, I prefer to do that via eQSL.

Date: Mon, 31 Dec 2001 11:17:28 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: aa4lr@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [116559] Re: Fast Learner
Message-ID: <3C309DA7.296DAED7@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Bill Coleman wrote:

>

> On 12/30/01 11:20 AM, Dave Sjolín at sjolin@swbell.net wrote:

>

> >I learned dots and dashes and still have problems

> >with certain characters (S, H, 5, V, 4). I guess thats why 35-40 wpm

> >Croatian stations drive me up the wall ... S54xx

>

> I see, but what are those Croatian stations doing in Slovenia?

>

> (Hint: S5 is Slovenia, 9A is Croatia)
>

Good point Bill!

Happy New Year
73 de Dave, N0IT

Date: Mon, 31 Dec 2001 12:25:06 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [116560] "Fishy" Correction
Message-ID: <3C309F71.A80A821B@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For "Rock Around the Clock," starting 0000 UTC tonite (7pm local time here), the DeMaw Tuna Tin 2 will be on the air using the call W4NC. Due to a miscue, I posted W4WS earlier--that call will be on the air as well, but it's a New Year's party at a local ham's home, probably operating QRO and not QRP!

The genuine DeMaw will be calling "CQ XTAL" and using the call W4NC.

We'll be all around the 40m watering hole, so listen close!

73
Ken KG4FGC

Date: Mon, 31 Dec 2001 12:34:16 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-l@Lehigh.EDU>
Subject: [116561] Re: QRP Challenge 2002 Update
Message-ID: <00c701c19221\$5f4d1db0\$39d81b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Bruce Muscolino" <w6toy@erols.com>

> FDIM means Four Days In May, the QRP ARCI's annual QRP love in at Dayton.

Now I know why most of the FDIM hams dont bring their wives :-)

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

Date: Mon, 31 Dec 2001 12:39:35 -0500
From: W2AGN <w2agn@pobox.com>
To: "w8diz" <w8diz@fpqrp.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [116562] Re: QRP Challenge 2002 Update
Message-ID: <01123112393506.03206@CC2289974-A>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Monday 31 December 2001 12:34, w8diz wrote:

>
> > FDIM means Four Days In May, the QRP ARCI's annual QRP love in at Dayton.
>
> -----
>
> Now I know why most of the FDIM hams dont bring their wives :-)

--

I was thinking of going this year, but the pictures a "QRP love in" brings to mind makes me think I'll stay home...

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>
Trustee: W3IYQ

Date: Mon, 31 Dec 2001 11:44:12 -0600
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: "QRP-1" <qrp-1@lehigh.edu>, <mswmod@bigplanet.com>
Subject: [116563] Re: Incentive licensing
Message-ID: <004301c19222\$d399cd20\$0300000a@mcg.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

----- Original Message -----=20
"Ron KU7Y" <mswmod@bigplanet.com> wrote:

> If we were really loosing the number game why not show
> something like this: In 1952 we had 50K hams and now in 2001 we only =
have
> around 1000K. Opps, can't sell that lie if we use the numbers so lets =
not
> justify what we say. Lets just work on the "feel good" angle and =
forget the
> truth! :-)

Don't forget if you're going to use the numbers you must also use ALL of =
them and somehow fairly account for the changes in society. The number =
of Amateurs in 1952 is not a good measure. The percentage of 1952 =
Amateurs to the total 1952 US population and that percentage today would =
be a better comparison. Then you also must include the changes to =
society such as the increase of women in traditional "men only" =
occupations such as Electrical Engineering, which seems to be the =
biggest "occupational pool" that Amateur Radio draws from.
So it's really not about the total numbers but more about the percentage =
of growth of Amateur Radio against the percentage of growth of the =
"potential pool" of the general population. It is clear that the =
percentage of EE's that are Amateurs is considerably less then it was in =
1952, therefore if you are going to maintain growth in the hobby and =
keep up with the growth in population you must change the "appeal" of =
Amateur Radio to increase the size of the potential pool to draw from. =
Just going by the numbers is too simplistic to draw any conclusions on =
whether incentive licensing was good or bad for Amateur Radio.

73 de Cla KA0GKC =20

Date: Mon, 31 Dec 2001 12:52:25 -0500
From: W2AGN <w2agn@pobox.com>

To: "Cla KA0GKC" <ka0gkc@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116564] Re: Incentive licensing
Message-ID: <01123112522509.03206@CC2289974-A>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Monday 31 December 2001 12:44, Cla KA0GKC wrote:

> ----- Original Message -----
>
> "Ron KU7Y" <mswmod@bigplanet.com> wrote:
> > If we were really loosing the number game why not show
> > something like this: In 1952 we had 50K hams and now in 2001 we only
> > have around 1000K. Opps, can't sell that lie if we use the numbers so
> > lets not justify what we say. Lets just work on the "feel good" angle
> > and forget the truth! :-)
>
> Don't forget if you're going to use the numbers you must also use ALL of
> them and somehow fairly account for the changes in society. The number of
> Amateurs in 1952 is not a good measure. The percentage of 1952 Amateurs to
> the total 1952 US population and that percentage today would be a better
> comparison. Then you also must include the changes to society such as the
> increase of women in traditional "men only" occupations such as Electrical
> Engineering, which seems to be the biggest "occupational pool" that Amateur
> Radio draws from.
<snip>
> 73 de Cla KA0GKC

--

Well, some very wise man once made an observation about statistics, the exact wording of which slips my mind. Suffice to say, you can make the "numbers" indicate whatever you want.

Has anyone ever considered the idea of "quality, not quantity?"

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>
Trustee: W3IYQ

Date: Mon, 31 Dec 2001 12:58:29 -0500
From: "Mike Czuhajewski" <wa8mcq@home.com>

To: <qrp-1@Lehigh.EDU>
Cc: <wa8mcq@home.com>
Subject: [116565] Re: Toroid...Help!
Message-ID: <007a01c19224\$c10cbd00\$6fc5b418@gambrills1.md.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

As I and others found out for ourselves long ago from our experiments, the wire size on toroids doesn't make that much difference from the standpoint of circuit Q. (I think W7EL was the first to publish results.) Like Mike Y said, be sure the wire size you go with will all fit on the core and don't go to something so small that it can't handle the current (important in a choke in the supply lead of an amplifier), but aside from that you can usually get away with changing the wire size up or down a couple of gauges. Going to somewhat smaller wire does have an observable effect on Q, but not usually significant enough to make much difference in most circuits.

73 and queue our pea DE WA8MCQ
Former address @erols.com, now on @home.com, soon to change to @comcast.net as they do upgrades

Date: Mon, 31 Dec 2001 12:02:44 -0600
From: "george" <georgekr5c@cablelynx.com>
To: <qrp-1@Lehigh.EDU>
Subject: [116566] Happy New Year
Message-ID: <001501c19225\$59757640\$7c08cc18@lee>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Happy New Year to all. May the blessings of peace be with each of you.

Hopefully the new year will rid of us of all the bandwidth on CW, exams and what was done 50 years ago regarding such. SRI, just had to say that.

73, 72 George KR5C

Date: Mon, 31 Dec 2001 13:09:39 -0500
From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116567] Re: Incentive licensing
Message-ID: <006701c19226\$50d98610\$a4372bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Cla,

If I work in sales. I am only worried about the real numbers. Never tell me the odds, and I don't do percentages, unless it's to figure out my gross and net profits.

Here is what I need to know:

How many targets (hams) are there?

How many will want my product?

Do I estimate this number to be big enough to satisfy my profit needs?

Based on these numbers, am I priced right?

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

----- Original Message -----

From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 31, 2001 12:44 PM
Subject: Re: Incentive licensing

>
> ----- Original Message -----
> "Ron KU7Y" <msswmod@bigplanet.com> wrote:
>

> > If we were really loosing the number game why not show
> > something like this: In 1952 we had 50K hams and now in 2001 we
only have
> > around 1000K. Opps, can't sell that lie if we use the numbers so
lets not
> > justify what we say. Lets just work on the "feel good" angle and
forget the
> > truth! :-)
>
> Don't forget if you're going to use the numbers you must also use
ALL of them and somehow fairly account for the changes in society.
The number of Amateurs in 1952 is not a good measure. The percentage
of 1952 Amateurs to the total 1952 US population and that percentage
today would be a better comparison. Then you also must include the
changes to society such as the increase of women in traditional "men
only" occupations such as Electrical Engineering, which seems to be
the biggest "occupational pool" that Amateur Radio draws from.
> So it's really not about the total numbers but more about the
percentage of growth of Amateur Radio against the percentage of growth
of the "potential pool" of the general population. It is clear that
the percentage of EE's that are Amateurs is considerably less then it
was in 1952, therefore if you are going to maintain growth in the
hobby and keep up with the growth in population you must change the
"appeal" of Amateur Radio to increase the size of the potential pool
to draw from. Just going by the numbers is too simplistic to draw any
conclusions on whether incentive licensing was good or bad for Amateur
Radio.
>
> 73 de Cla KA0GKC
>
>
>

Date: Mon, 31 Dec 2001 13:10:07 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <jsm@gulfislands.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [116568] RE: VE7SL SKN Tuna Tin (N4UY)
Message-ID: <GCECIJFJPOHMCKACOA0BKEEIDEAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'll try to get on later -- after 0300 and maybe around 1300 tomorrow morning. Will have my Tuna Sandwich (the TT2 is the top layer -- the amp is the bottom layer) running 800 mw. I can switch freqs from 7.040 to 7.042.7 in about 800 KHz steps so I'll try to dodge the bigger sigs :-)

Happy New Year to all.

Jake -- N4UY
Vienna, VA
(Wash DC suburbs)

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Steve McDonald
Sent: Monday, December 31, 2001 9:33 AM
To: Low Power Amateur Radio Discussion
Subject: VE7SL SKN Tuna Tin

Anyone else firing up their Tin's tonight? I will be active on 7040 (where else!) with the Tuna Tin from sunset on. Hope to see many others as well. Crank in the 250 cycle filters, it could get messy!

73 / Steve / VE7SL

Date: Mon, 31 Dec 2001 13:08:23 EST
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [116569] OT: Nice Education series on receivers
Message-ID: <195.8d761d.29620397@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Although not strickly QRP, I ran across this technical series that goes thru receiving basics and getting hard to reach stations. Talks about noise issues and filters, etc. Pretty educational for technically challenged folks like me (grin)

<http://lwca.org/library/articles/kh6sr/index.htm>

Alan KB7MBI in Woodinville, WA
FISTS 5702 Proud member of ARRL

Date: Mon, 31 Dec 2001 13:15:30 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
<W0rw@aol.com>
Subject: [116570] RE: Need Small Keyer
Message-ID: <GCECIJFJPOHMCKACOA0BCEEJDEAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Paul -- W0RW:

I have a scratch-built TiCKeyer enclosed in an Altoids tin. I used a Dremel tool to cut pads into a piece of PC board and mounted the TiCK chip in a DIP socket. Soldered the socket and the few necessary components to the PC board -- takes up about 1/3 of the Altoids tin. I then put a 3 AA battery holder in the tin (takes up the other 2/3s) and hooked everything up. Works great -- nice size and the batteries give the Altoids tin TiCK some weight.

Good Luck,

Jake -- N4UY

W0rw@aol.com
Sent by: owner-qrp-1@Lehigh.EDU
12/30/2001 01:10 PM
Please respond to W0rw

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: Need Small Keyer

i need a small keyer, Like a TICK or Curtis chip CMOS, MK-60 etc....
Must have self completing dashes and run on 9V or 12V DC.
Paul W0rw@aol.com

Date: Mon, 31 Dec 2001 13:21:11 -0500
From: kb1dxc <kb1dxc@discovernet.net>

To: qrp-1@Lehigh.EDU
Subject: [116571] Touch Pads?
Message-ID: <a05100304b85658326890@[216.221.130.105]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Hi Folks,

I would like to build myself a set of touch pads. I have plans for such using a 4011 Quad 2-Input Nand Gate.

plans are at this page:
<http://www.g3ycc.karoo.net/touch1.html>

I have laid it out on a breadboard but it does not want to work for me. I was wondering if anyone on the list has any experience with touch pads, particularly of this design. This seems like a much easier design and cheaper than the touchpads that were featured in the recent QST article.

I would also like to hear any input regarding the use of touch pads. They seem to be perfect for the QRP outings.

Thanks
and HAPPY NEW YEAR to All,

Mike
KB1DXC

Date: Mon, 31 Dec 2001 13:50:11 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <kb1dxc@discovernet.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116572] Re: Touch Pads?
Message-ID: <000401c1922b\$fa2f7df0\$39d81b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Mike,

Try this circuit...
<http://home.cinci.rr.com/w8diz/paddles.htm>

I have built this circuit about ten times - works great. One note of caution;

The circuit uses an RC oscillator running at about 80 KHz with lots of harmonics. To prevent the harmonics from disrupting a QSO in progress, I have replaced the LC part of the oscillator with a 100 KHz crystal. Seems like I never operate at exactly 100 KHz points on the bands. Besides, makes a great calibrator for for the simpler QRP rigs

PS: The circuit shows a 4001, but a 4011 works just as well.

Happy New Year

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

----- Original Message -----

From: "kb1dxc" <kb1dxc@discovernet.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, December 31, 2001 1:21 PM
Subject: Touch Pads?

Hi Folks,

I would like to build myself a set of touch pads. I have plans for such using a 4011 Quad 2-Input Nand Gate.

plans are at this page:
<http://www.g3ycc.karoo.net/touch1.html>

I have laid it out on a breadboard but it does not want to work for me. I was wondering if anyone on the list has any experience with touch pads, particularly of this design. This seems like a much easier design and cheaper than the touchpads that were featured in the recent QST article.

I would also like to hear any input regarding the use of touch pads. They seem to be perfect for the QRP outings.

Thanks
and HAPPY NEW YEAR to All,

Mike
KB1DXC

Date: Mon, 31 Dec 2001 12:28:49 -0600
From: John Seboldt K0JD <k0jd-1@seboldt.net>
To: qrp-1@Lehigh.EDU
Subject: [116573] RE: Power distribution/PA bias switching question
Message-ID: <5.1.0.14.0.20011231122134.009ea2c0@mail.seboldt.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:47 AM 12/31/01 -0600, you wrote:

>-----Original Message-----

>From: nilsbull@juno.com [SMTP:nilsbull@juno.com]

> A bias voltage is regulated & available on the board. In
>the appl notes the bias is constantly hosed up to the bases of the
>trannies.

>

> Thus the

>Argosy 525 always draws at least 4A on transmit, even with the output
>switched to "low power."

Hoo, boy, mine draws only about 1 amp total. Probably could be reduced a lot. My Argosy manual says adjust the idling current on the PA to 125 mA, and for the driver 30 mA. Better look at that before the transistors burn up.

And the bias is NOT on constantly - it is cut off when in receive. So something must be wrong with your rig!

John K0JD
Milwaukee, WI
www.seboldt.net/k0jd/

Date: Mon, 31 Dec 2001 12:41:06 -0600
From: John Seboldt K0JD <k0jd-1@seboldt.net>
To: qrp-1@Lehigh.EDU
Subject: [116574] Re: Power distribution/PA bias switching question
Message-ID: <5.1.0.14.0.20011231122942.00a0d850@mail.seboldt.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:59 AM 12/31/01 -0500, you wrote:

>The design is the Motorola AN762 application notes for the MRF454 series
>transistors. Solid state PA system, two transistors in so-called
>"push-pull" configuratioin. Wide band ferrite transformer output. Same

>thing you see in the K2, TR7, other solid state radios. The high current
>Vcc is always hooked up with the 13.8 VDC hosed up to the collectors of
>the trannies. A bias voltage is regulated & available on the board. In
>the appl notes the bias is constantly hosed up to the bases of the
>trannies.

>

>Now, in the TR7, the SG2020 & the K2, the bias voltage is off during
>receive. In other words, the PA trannies always have B+/Vcc hosed up to
>'em. The bias is present only in transmit. This works out kinda weird,
>'cause it means that even if you have the PA bypassed, the trannies are
>still gonna draw current when they aren't doing the amplifying.

No they won't. Without the bias they're in class C, and thus draw no idling
current (or almost none...)

>Thus the

>Argosy 525 always draws at least 4A on transmit, even with the output
>switched to "low power."

See my other message. This is quite an anomaly, very different from my
Argosy which draws only about 1A on transmit. Again, the driver/PA bias is
cut off in receive, leaving the amp in class C - which will cause almost no
stability problems because the gain goes down significantly in class C.

>My question comes to this: Even though I have evidence proving this idea
>correct, do I stand a chance of blowing things up this way? Or: can I
>configure the AN762 amplifier circuit so that the bias is present only in
>transmit?

I have an AN762 circuit built up and roughly tested, but not in use. I
wanted to do the same thing to keep current draw in receive down, and I
left R11 and R12 (+V input to the bias circuit) open and experimented with
switching the +V on and off. This switched the idling current in the '464's
to 0, as I suspected. So I'll probably do this when I get a round tuit. But
QRP has been fine for me, so I haven't bothered...

You probably won't blow things, but it's a waste of heat and energy, so why
not cut it off during receive?

Hope this helps,

John K0JD
Milwaukee
www.seboldt.net/k0jd

Date: Mon, 31 Dec 2001 10:48:44 -0800
From: "blinn" <blinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [116576] Re: Elmer needs help
Message-ID: <010f01c1922b\$c7432540\$b369f040@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Great response... I've received lots of ideas and suggestions. Looks like Farnsworth and Koch have a lot in common and that will be my approach. Just gotta figure out the logistics and develop resources/materials now.

Thanks for the help.

Regards, Bill - WA7TQK

--

Date: Mon, 31 Dec 2001 14:04:35 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [116577] Re: Touch Pads?
Message-ID: <3.0.6.32.20011231140435.0079a9e0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:21 PM 12/31/01 -0500, you wrote:

>Hi Folks,

>

> I would like to build myself a set of touch pads. I have
>plans for such using a 4011 Quad 2-Input Nand Gate.

>

>plans are at this page:

><http://www.g3ycc.karoo.net/touch1.html>

>

> I have laid it out on a breadboard but it does not want to
>work for me.

Mike,

This circuit needs your body to form a resistive connection from either paddle to ground. If your body is not connected to the touchpad circuit ground, or your skin conductivity is REALLY low (like dry skin, or gloves), this thing will be pretty insensitive. Also, you're directly touching a CMOS input, so if you body has a static charge you could damage the IC. If you touch a spare finger to the keyer's ground and then touch a pad, does it work at all?

I'm also curious about the connections between this circuit and your keyer. It seems to me most are expecting a "dry contact" (closed switch contacts, not a voltage source) at the paddle inputs. If that's the case

with your keyer, you could fake it by putting a diode in series with each of the 20k resistors, with the cathode pointing toward the 4011. That way the diode will conduct (simulating a closed switch) when the output is low, and not conduct (open switch) when the output is high.

One more thing to check - is there a ground connection between your keyer and the touchpad circuit? The schematic doesn't show one, but it won't work without it.

Good luck!

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 31 Dec 2001 13:04:30 -0500
From: Rod S Clayton <rodclayton@juno.com>
To: qrp-l@lehigh.edu
Subject: [116578] OT: FT-847 Problem Question
Message-ID: <20011231.130431.-895399.1.rodclayton@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I hooked up my FT-847 to the power supply backward. When I turned on the power supply, there was a POP sound from the radio and a puff of smoke.

Does anyone know what most likely broke. When I turned on the power with the polarity corrected, it seems to work OK.

Could it be OK after popping and smoking like that?

Thanks,
Rod
KA3BHY

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 31 Dec 2001 13:10:27 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <ac7a@gci-net.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [116579] Re: CQ Magazine Contest Results
Message-ID: <00bc01c1922e\$d10fa960\$6711a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If I remember right, they have them at their website,
<http://www.cq-amateur-radio.com>. Don't hold me to that statement though
:^D

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----
From: Thomas <ac7a@gci-net.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, December 31, 2001 9:47 AM
Subject: OT: CQ Magazine Contest Results

Maybe this isn't as OT as most of the noise here on QRP-L.

Does anyone know if CQ magazine posts contest results anywhere
besides the magazine? I dropped my subscription a few years ago,
and everywhere I've checked in town no longer carries the
magazine.

I'd like to see how I did in the CQWW 160 contest earlier this
year.

Thanks, Thomas - AC7A

Date: Mon, 31 Dec 2001 11:17:26 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [116580] Re: Back-to-back xfmr's driving a voltage doubler
Message-ID: <00c501c1922f\$c9137ba0\$6bfbb3d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In running the voltage doubler transformer heating test at 264V, 50mA I was drawing more power than my earlier heating test (using a FW bridge) that ran at 138V, 80mA. I just chose the 50mA value to test at because that's the plate current limit for most receiving-type output tubes, like 6V6, 6AQ5, 50L6, 50C5, etc, as well as the 5763, so I thought it was a fairly realistic test. An even more realistic test would be to run at 70mA (about what I'd expect an MOPA rig to draw) with a 50% duty cycle. Can't really say why I chose the 80mA value for the first test :) For those not that familiar with tubes (not putting Bruce in this category), in terms of what voltages and currents tubes like, 260V @ 50mA is a reasonable figure, but it's a bit hard to imagine running a tube at e.g. 130V @ 100mA (except maybe a PW AM rig using that total V and I for RF and modulator combined, or maybe a sweep tube (they're good at conducting lots of current at low voltages), or a pair of tubes in parallel or P-P). Sorry for the confusion -- have I reduced or increased it with this explanation?!

Anyway, I'd conclude that this back-to-back setup driving a FW bridge would be good in practice for a rig needing up to about 8-10W DC input, while the same setup driving a voltage doubler would be good in practice up to maybe 15-20W DC input. Not because the voltage doubler can squeeze more power from the transformers, but simply based on the V/I diet "typical" tubes and circuits are happy with. All this depends, also, on the amount of tube heater power drawn from the input transformer (the 1625 heater draws about 5.7W).

73,
Mike, KK6GM

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 31, 2001 6:49 AM
Subject: Re: Back-to-back xfmr's driving a voltage doubler

>
>
> Mike,

>
> Where are you drawing more power? At the input or at the output? A
> voltage doubler does nothing to the input circuitry. It can only double
> what's there. If you are violating the input circuits power handling
> capability I can understand. BUT you cannot get more out by using a
> voltage doubler. You do double the voltage, but you halve the current!
>
> 73

Date: Mon, 31 Dec 2001 13:16:19 -0600
From: "George, W5YR" <w5yr@att.net>
To: George Franklin <w0av@juno.com>
Cc: qrp-l@Lehigh.EDU
Subject: [116581] Re: Exam Materials
Message-ID: <3C30B983.CB6E71EE@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yep, there were questions about choke joints on the Ship Radar quiz and I seem to recall seeing them again on the Extra. The examiner said that the Extra quiz had been made of the most-often missed questions on all the commercial exams! So, it is not surprising that a lot of non-amateur-radio questions were on the test.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262 COG 8
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

George Franklin wrote:

>
> Hi George,
>
> I took my Extra exam in St. Louis in June of 1952, the first time it was
> given there.
>
> The only thing I remember about the exam was that I had to draw a sketch
> of a "choke joint" in a radar waveguide. I'm puzzled as to just what
> that had to do with ham radio of the time, but fortunately it was covered
> in the ARRL Extra Class study guide.

Date: Mon, 31 Dec 2001 14:20:55 EST
From: K4IA@aol.com
To: w2agn@pobox.com
Cc: qrp-1@lehigh.edu
Subject: [116582] Re: Incentive licensing
Message-ID: <15d.6a176d0.29621497@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I think it was Mark Twain who said

"Figures don't lie but liars do figure."

"There's lies, damn lies and statistics."

Maybe it was Will Rogers.

Radio K4IA
Craig Buck
Fredericksburg, Virginia USA
QRP ARCI #2550 FISTS #6702 CC 788 Diamond #64
K1 #470

For cheap long distance, 800#s and more
Tune to http://www.ld.net/?bucksavers

4.9 cents/min - no monthly fees

Date: Sun, 30 Dec 2001 14:34:15 -0500
From: "Winston F. Jones" <winjones@ix.netcom.com>
To: <dafouchey@home.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [116583] Re: Doug Demaw, forgive me for I have SINNED
Message-ID: <001b01c19168\$f88e82c0\$d5a25b40@winston>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, if it's confession time.....

Back in May, 1984, I went to take my Extra exam in Atlanta, one of the last exams given by the FCC before volunteers took over the process. I decided to

concentrate most on my code speed since that was my major obstacle. I had already learned a lot of the theory through homebrewing QRP. My main goal was to get the 20 wpm certificate and then I could go back for the theory test later, if needed.

But, just in case, I bought the Extra Class Bash license manual (remember Dick Bash?). Anyway, I passed the code test, then sat down for the theory. When they handed out the test, I could hardly believe it. It was almost word for word from the Bash manual, even the same numbers used in the problems. I think I got them all right. If it had been a different test, would I have passed it? I'm not sure, maybe, but who cares?

73, Winston K4CWQ

----- Original Message -----

From: "Dave Fouchey" <dafouchey@home.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, December 31, 2001 9:54 AM

Subject: Re: Doug Demaw, forgive me for I have SINNED

> Yeah well if you are TRULY repentant I suspect he would forgive ya...

>

> Sheesh guys if this is the worst we have to worry about then life is GOOD.

>

> For my General I read and re-read everything I could get my hands on,
> mostly the ARRL Handbook, went down to the FCC Office in Detroit and on a
> lark decided to take the Advanced at the same time. Lo and Behold I
slipped

> up and passed it first time. Then I got lazy and never went for the Extra,
> even though I had my First Class ticket and was fairly proficient at CW.

So

> now I guess it is time to go ahead and get the Extra, even under these
more

> relaxed standards. will that mean it is any "Less Worthy" than if I had
> gotten it earlier? I don't think so. It just means I get access to a few
> more frequencies. Lighten up folks, this is a hobby, we are here to have
> some fun, gain a bit of knowledge and share the experience. /not leap at
> every ones throats with knives drawn.

>

> Stepping off soap box now.

>

> 73/72

> Dave

> WA4EMR/8

> Sterling Heights, MI

>

> At 11:14 AM 12/30/2001 -0500, Walt Amos wrote:

> >Woes me! I read a Q & A book to get my license. I have sinned! It took me

> >forever to get 20 WPM. I have sinned. I actually took a class for the
extra

> >given by our holy ARRL director at that time, Len Natelson. I have sinned.

> >He crammed stuff into my head for I was a sinner. I copied W1AW until my head hurt! I have sinned brother. But I was saved and redeemed by CONTESTING

> >, yes brother , my code speed rose, my ham knowledge increased, I became a

> >born again cw NUT. I have sinned , but now I am on the path the holy grail

> >of QRP and CW and have been born again with EXTRA tattooed on my forehead.

> >

> >Confessions of a ex SSB NET junkie and a user of the word dreaded 2 meter

> >word , DESTINATED

> >

> >Walt Amos K8CV Royal Oak, MI.

> >

> >

> >-----

> >Sign Up for NetZero Platinum Today

> >Only \$9.95 per month!

> ><http://my.netzero.net/s/signup?r=platinum&refcd=PT97>

>

> Dave

>

> "If men had wings and bore black feathers, few of them would be clever enough to be crows." -- Rev. Henry Ward Beecher, mid 1800s

>

Date: Mon, 31 Dec 2001 14:25:32 -0500
 From: Steven Weber <kd1jv@moose.ncia.net>
 To: qrp-l@lehigh.edu
 Subject: [116584] W7ZOI 555 keyer
 Message-ID: <3.0.6.32.20011231142532.0079f670@mailhost.ncia.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"

HI Gang,

You can now (hopefully) down load a zipped file with the W7ZOI 555 keyer board layouts (through hole and SMT versions) and schematic in Circad format from my web site. (<http://www.qsl.net/kd1jv/>)

The schematic is included for those of you who don't have a copy of Solid State Design for the Radio Amateur and to make the part designations

correspond between the board layouts and schematic.

I've only had three people say they'd be interested in a SMT kit version of the keyer, so unless we can drum up much more interest, will have to abandon the idea.

72,
Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Mon, 31 Dec 2001 14:55:50 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: W2AGN <w2agn@pobox.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [116585] Re: QRP Challenge 2002 Update
Message-ID: <3C30C2C6.F3B63A57@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

They say that memory is among the first things to go! I thought it was but I haven't worked an ARCI contest in about three years, pardon me for forgetting!

73

Date: Mon, 31 Dec 2001 14:59:15 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: rmccarty@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [116586] Re: on [extra] Licensing
Message-ID: <3C30C393.7333FFCB@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Roger,

The degree only opens the first door. After that it is what you know and who you know, and perhaps, who you have not pi**ed off!

Subject: [116587] Re: Incentive licensing
Message-ID: <3C30C4FA.B5263DC0@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Cla,

An interesting point, but you must also take into account that the field of Electrical Engineering has changed a great deal since 1952. What were the core subjects back then, Electrical Power, Machinery, and AC and DC circuit theory are no longer in much demand, speaking digital is!

73

Date: Mon, 31 Dec 2001 13:31:56 -0700
From: Dan Tayloe <dtayloe@home.com>
To: rodclayton@juno.com, qrp-l <qrp-l@Lehigh.EDU>
Subject: [116588] Re: OT: FT-847 Problem Question
Message-ID: <3C30CB3C.1A7FC4FB@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have had experience with this in my home brew transceivers. In my designs, the majority of the transceiver ran off of regulated 8v. With reverse voltage, the regulator saves almost everything.

However, what was not protected and did not survive was the power amplifier finals that are connected straight to +12v.

I suspect that although you can receive, you probably cannot transmit any more. There may be more that has gone, but if you can receive, the damage should be limited to the PA transistor and perhaps it driver(s).

As a result of doing this at least twice, I have installed a reversed diode from +12 to ground, conducting only when I have reversed voltage, with an in line fuse that will blow when the diode conducts to kill the +12v supply to the rig.

- Dan Tayloe, N7VE; Phoenix, AZ; Az ScQRPions

Date: Mon, 31 Dec 2001 15:30:09 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <brian@iquest.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [116589] Re: on [extra] Licencing
Message-ID: <00c101c1923a\$5a972d60\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Actually, there ARE a number of schools of thought, and two that are almost directly opposed conflict in how the code is taught. One teaches code that you can get to 5wpm quickly but it generates a 'plateau' that is tough to break at somewhat higher speeds. The other is much more difficult to learn initially, but seems that people that originally 'learn' that way just have smooth speed increases the more they operate...

It's been discussed, almost to death, about 2 years ago here.

Mike

----- Original Message -----

From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, December 31, 2001 11:01 AM
Subject: Re: on [extra] Licencing

> You know what Rod, maybe Jerry Springer should have a show about guys
> like us. I too earned my ticket by memorizing the code. Yes, that's
> right, I memorized the code instead of actually learning the code.
> Had I only done it the right way, I might be an Extra by now.

>
> NEXT on JERRY!!! GUYS WHO PASS TESTS BY KNOWING THE ANSWERS!!!

>
>
> =====
> KB9BVN/QRP - New Whiteland IN - EM69WN
> QRP-ARCI #10223 QRP-L #1540 FIST #5695
> FISTS CC #764 - Proud Member ARRL
> TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
> INTO INFAMOUS AF4PS ATTIC DIPOLE
> SOC #400 AND FLYING PIGS QRP #-57
> =====
>

> ----- Original Message -----
> From: "Rod N0RC" <rod@n0rc.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Monday, December 31, 2001 9:59 AM
> Subject: on [extra] Licencing
>
>
> > Help,
> >
> > It turns out I'm not a "real extra", I got mine in 1998. And to make
> > matters worse I read and memorized answers from the ARRL license
> > manuals. After skimming some of the latest flame war I decided the
> > right thing to do is give back my license to the FCC and quit
> amateur
> > radio.
> >
> > Why quit? Can't be a real expert!
> >
> > But I can't find the link on the FCC page to surrender my license!
> >
> > Bet if I was a "real extra" I could find that link.
> >
> > ***Happy Holidays***
> > 73, Rod N0RC ...the militant...
> > Ft Collins, CO
> >
> >
> >
>
>
>

Date: Mon, 31 Dec 2001 15:58:41 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [116590] Only a Few Hours to 2002!
Message-ID: <3C30D181.A2B058B2@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Ever notice that the nice thing about UTC is you're always ahead of
where you are, timewise that is??

In just a few hours, it will be 2002 in Greenwich, and in radio-land.

Straight Key Night begins, as does Rock Around the Clock. There will be some classic rigs on the air here and there, and if propagation holds up, some major scores could be worked up.

Even if you're not "rock-bound," get on the air and have some fun!

For one last time, here's the list of Special Stations for Rock Around the Clock: work one and the qso is mega-multiplied!

Each station has agreed to be on for 2 hours during the event. Some maybe on for longer. Since a qso with these stations is a mega-multiplier, we've asked them to keep the qso's short in order to give the largest number of ops a chance at working them.

Call	Rig	Op
AD6A	SMK-1 prototype!	Dave Fifield
AE4IC	Knightsmite	Bob Kellogg
KA8MAV	Tiny Tornado	Brice Hornback
N2APB	YTBN*	George Heron
N8ET	Kanga Oner	Bill Kelsey
W5JAY	Ft. Smith TT2	Jay Bromily
WA8MEA	Peanut Whistle	Bill Lauterbach
WE6W	Pixie	Ed Lowanger

*YTBN=Yet to be Named!

The event mother ship will be here in Winston-Salem, NC:

W4NC The Original Tuna Tin by Doug DeMaw (TNX ED!) multiple ops will seek to keep it on the air round the clock ; The GPQRP Club gratefully

Acknowledges the help of the Forsyth County Amateur Radio Club. And if you're worried about your code speed, don't: I can't send very fast with a straight key! Plans are to stay on 40m around the qrp watering hole of 7.040.

Details and rules are at <http://www.wfu.edu/~hoglund/Roc.htm>

Let s warm those rocks up tonight!

73

Ken KG4FGC

Date: Mon, 31 Dec 2001 13:06:53 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: <glowbugs@piobaire.mines.uidaho.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [116591] Re: GB> Back-to-back Xfmrs for tube transmitters
Message-ID: <015e01c1923f\$1337bf20\$6bfbb3d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ralph,

Using your numbers (which look quite right), and first subtracting the tube heater power, I calculate about 18W DC continuous capability for the setup.

73,

Mike, KK6GM

----- Original Message -----

From: "Ralph Hartwell" <ralph.hartwell@worldnet.att.net>
To: <glowbugs@piobaire.mines.uidaho.edu>; "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 29, 2001 6:21 PM
Subject: Re: GB> Back-to-back Xfmrs for tube transmitters

> > There was some question (skepticism!) on the QRP list recently about
> using
> > back-to-back filament transformers to provide B+ for a small
> transmitter.
> > Being curious about this myself I wired up a circuit consisting of two
> Radio
> > Shack 12.6VCT 3A transformers back-to-back, driving a full wave bridge
> and a
> > 33 uF filter cap.

>
> Works FB! I've used this trick many times.
>
> A quick back-of-the-envelope way to figure what wattage the xfmrs will
> handle with adequate safety reserve is figured as:
>
> Usable DC Output Watts = (SW x CE) x DF
>
> where:
>
> SW = Secondary wattage of transformer connected to the primary AC power
> line.
> CE = Combined Efficiency factor of both transformers, typically 0.85 for
> transformers with watt ratings less than 100 watts.
> DF = Derateing Factor for filter. Use 0.66 for capacitor input filter,
> 0.75 for resistor input filter and 0.80 for choke input filter.
>
> Note that this assumes that both transformers are identical and of good
> quality. (Yes, this works FB with Radio Shack xfmrs, too!) The primary
> voltages do not have to be the same, but the wattage available is
> limited by the wattage of the lowest wattage rated transformer.
>
> 73,
>
> Ralph WC2XSR / W5JGV / 13
>
> <http://home.att.net/~ralph.hartwell>
>
>

Date: Mon, 31 Dec 2001 16:14:46 -0500
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [116592] SKN @ the house of the Orange Barrel King
Message-ID: <20011231.161451.-208097.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Again, as last year, I'm gonna drag a few radio items with me for the
overnite at Cindy's brother's family's house in Columbus, OH. This year
I'm going very simple dog:

a Foxx 3 @ a mind-boggling .75 W at somewhere around 7.040 MHz
a couple 33 ft pieces of teflon covered wire stretched across their
upstairs loft room floor
a couple 9V batteries
a very tiny key liberated from one of the former Soviet block military
institutions by our friends in the G-QRP Club
a cheapo "stick it in your ear" single-piece headphone that I found on
the floor of the shed what probably come off my sister's first or second
transistor radio back in the 50s
. . . and, of course, my own good looks.

Like when they look at me good and say "You're not going to talk to
someone with that, are you?"

See you on the air, buncha nutsos.

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes

W8IJN -- <http://www.geocities.com/nilsbull/w8ijn>

"In MY day we FIGHT to have earphones! Every DAY was STRUGGLE!"

-- Comrade Nikolai Sergeievich McTovarishov, 19

Oct 1917

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 31 Dec 2001 16:34:08 -0500

From: "Brian" <brian@iquest.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [116593] T Minus 2.5 hours!!

Message-ID: <008d01c19242\$e1879320\$1a532bd1@bmurrey2K>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Oh BOY!!!

I can't wait!! Just cooked up some baked salmon, green beans
almondine, and twice baked taters...gonna eat, gonna rest, then at 7PM

EST I'm gonna go SKN!!

73

BTW..for those of you that I manage to work, I have a very special QSL card waiting for you.

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

Date: Mon, 31 Dec 2001 14:37:03
From: "Mark M." <markem@cervnet.com>
To: qrp-l@lehigh.edu
Subject: [116594] FS/FT: Power Transformer for Tube Rig
Message-ID: <3.0.6.32.20011231143703.00b2fc48@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The recent threads about tube rigs reminded me that I have a power transformer in my junque boxe that could probably be used in a QRP tube rig. I picked it up a few years back with the intention of using for that but realistically I doubt I'll ever get a round tuit. So, I thought I'd offer it to the group in case anyone else can use it...

It's a new-in-box Thordarson 24R103. Here are the ratings as listed on the box:

Pri	117v	50/60cps
Sec1	100vct	at 1.6ADC
sec2	6.3v	at 1.5A
sec2	6.3v	at 1.5A

Similar ones I could find on the net were going in the \$50 range. I'll offer this one for \$35 plus shipping from 85234 (it weighs about 7 lb). Or, I'd be willing to trade for something of equal value, preferably radio/QRP

related.

I can send a picture if you'd like...

73 & HNY... Mark AA7TA

Date: Mon, 31 Dec 2001 21:51:06 -0000
From: "Thom Durfee WI8W" <wi8w@arrl.net>
To: <qrp-l@lehigh.edu>
Subject: [116595] QRP Challenge Questions volume 1
Message-ID: <01b901c19245\$407b36a0\$6401a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It is nice to see the reaction to this. It is very encouraging and I think everyone will have a lot of fun. Sure there will be some problems but this is something totally new to the QRP world and it will take some time to work the bugs out. I want to make this something that everyone will enjoy so I encourage and welcome everyones participation in the planning.

I said earlier that I consider QRP-L to be a club in my eyes and I want my fellow members to get involved and participate. If QRPARCI wants to sponsor this I will let them but I think this will fly even without any sponsorship. I am going to try to get some really neat stuff to award and I am hoping for more than a few surprises.

Several had questions and I have the answers.

For Alan Slusher:

Double the power for SSB means the standard QRPARCI practice of making the PEP output for QRP SSB double the CW rate.

for SSB contacts:

250mW becomes 500mW PEP
1 watt becomes 2 W PEP
2 watts becomes 4 w PEP
3 watts becomes 6 w PEP
4 watts becomes 8 W PEP
5 watts becomes 10W PEP

same point structure at SSB power levels listed above

As for the duplicate problem. This is not a standard type of contest. This is a work every station you can regardless if you worked them before activity. Basically I created this because I was thinking one day of how many contacts a QRP station can/will make in a 365 day period. Duplicates do not matter but please show some restraint and not work (and include for scoring) your wife 500 times in one year.

For Bruce Muscolino:

I checked the post I made this morning and I do not find anywhere it says about giving the awards for this contest at FDIM 2002. The contest is for the year 2002 with the awards given at FDIM 2003. Earlier in December I asked for ideas for a new award that I could award at FDIM 2002 but that was not this idea. I am still looking for new award ideas.

For Paul Womble:

Good idea I should have included it. Electronic submissions should be in ADIF or Cabrillo formats. ADIF preferred. I can decipher both with the software I now use so these will not be a problem. Other formats should not be used for electronic submissions. Because I am requesting these formats for electronic submission these files may be attached to an email. I will re-do my anti-virus software to allow these but I will still scan them before opening them. which is good practice to follow on any type of attachment. Thanks Paul for pointing this out.

To Marshal Emm:

Life is very unfair at times and this contest is probably no exceptions. Not including antenna types is probably a draw back for now but I will put it in the file for next year. It has only been recently that antenna types have been somewhat considered in some of the major contests but I have not seen any reports that say one antenna is as good or bad as another when it comes to contesting. Big antennas don't always make a big difference. My #1 World in the CQWW Phone 20 meter single band was made with a A3 at 25 feet running QRP. I actually beat up on a friend of mine with whom I had a little friendly rivalry at the time and he ran a big amp and a single band 4 ele at 60 feet that year. I still believe the old QRP saying "Power is no substitute for Skill"

The hour is fast approaching and I might just get on the air at 0000 to get thing started. By the way no one is excluded, not even the creator of the event.

Have fun. Good Luck

73

Thom WI8W

Date: Mon, 31 Dec 2001 16:51:40 -0500
From: Thomas Jennings <jennings@eznet.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [116596] Happy New Year and may this new year bring...
Message-ID: <3C30DDEC.CE474B7C@eznet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

lots of qrp dx
lots of pelts for the foxii
lots of building
lots of fun /m cw
lots of cw.

73,
Tom kv2x

Date: Mon, 31 Dec 2001 23:04:04 +0000
From: David Heintzleman <pstrdave@kdsi.net>
To: qrp-1@Lehigh.EDU
Subject: [116597] OT: computer slot
Message-ID: <3C30EEE4.E7DC1289@kdsi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, I've started gathering stuff to build a computer - my question -
what is an "AMR" slot?

thanks
Dave K8BBM
"a techno-challenged psuedo geek"

Date: Mon, 31 Dec 2001 17:16:44 -0500
From: "Mark J. Dulcey" <mark@buttery.org>
To: pstrdave@kdsi.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [116598] Re: OT: computer slot
Message-ID: <3C30E3CC.7020903@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

David Heintzleman wrote:

> Hi, I've started gathering stuff to build a computer - my question -
> what is an "AMR" slot?

It's a special slot for a communications card; some recent motherboards
have one. I've heard of modem and LAN cards that can go in the AMR slot.
AMR cards seem to be rare; unless you've filled up every other space in
your system, you're probably better off just buying something that goes
in a PCI slot.

In theory, all AMR slots are electrically compatible, but because the
market is so small, I wouldn't count on it. If you really want to put
something there, I'd suggest getting it from the manufacturer of your
motherboard.

Date: Mon, 31 Dec 2001 17:25:50 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <pstrdave@kdsi.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [116599] Re: computer slot
Message-ID: <001701c1924a\$1bdd2ec0\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

'My' understanding is that 'AMR' stands for "Audio Modem Riser". It's a slot specifically intended to interface to 'audio' and 'modem' type applications, such as computer PBX and voice mail systems, CPU emulated FAX machines, or other 'business' type applications.

The motherboard I have also has an AMR slot, but I've not seen too much for it.

Mike

----- Original Message -----
From: "David Heintzleman" <pstrdave@kdsi.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 31, 2001 6:04 PM
Subject: OT: computer slot

> Hi, I've started gathering stuff to build a computer - my question -
> what is an "AMR" slot?
>
> thanks
> Dave K8BBM
> "a techno-challenged psuedo geek"
>

Date: Mon, 31 Dec 2001 17:55:22 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [116600] Re: on [extra] Licencing
Message-ID: <3C30ECDA.B5BD8BFa@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike,

I learned code without the aid of the Farnsworth method. I think it had either not been developed in 1954, or it had not been released to the general public! I had to start slowly. It did hinder me somewhat, though I worked mostly CW and there was a long period between 13 wpm and 20 wpm when I got my extra. I think by then just some extra practice did the trick. These days I am a fan of Farnsworth!

73

Date: Mon, 31 Dec 2001 15:58:44 -0700
From: "Dave Ek" <ekdave@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [116601] Re: Nice Education series on receivers
Message-ID: <000601c1924e\$b4095760\$0100a8c0@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Alan's post reminded me of a book I studied when I first became a ham. "Secrets of RF Circuit Design" by Joe Carr (now deceased, I believe) is a book I found to be very educational regarding receiver designs.

73 de Dave NK0E

>Although not strickly QRP, I ran across this technical series that goes
>thru
>receiving basics and getting hard to reach stations. Talks about noise
>issues
>and filters, etc. Pretty educational for technically challenged folks like
>me
>(grin)
>
><http://lwca.org/library/articles/kh6sr/index.htm>
>
>Alan KB7MBI in Woodinville, WA

>FISTS 5702 Proud member of ARRL

Date: Mon, 31 Dec 2001 18:10:43 -0500
From: mikemo@attglobal.net
To: qrp-l <qrp-l@lehigh.edu>
Subject: [116602] [Elmer 101] change of venue
Message-ID: <3C30F073.13625D20@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Calling all elmers and students,
Steve Thompson has been generous enough to let us use his email list
server and created an email list specifically for the Elmer 101 project.
We had originally intended to run the elmer 101 project on qrp-l, but
the volume of posts on qrp-l makes it very difficult for those who are
interested in Elmer 101 to sift through all the postings.

So, if you are a student or if you can help with elmering, please join
us there. The list is not moderated so the posts should show up
immediately. However, the topic will be the elmer101 project so the
postings should stay fairly focused.

Send an email to <mailto:imailsrv@xcvr.com>

imailsrv@xcvr.com

and include in the body of the message

subscribe elmer101 your-email

and replace "your-email" with your email address.

You will receive a message welcoming you to the list. All postings
should go to

elmer101@xcvr.com

Everyone who is subscribed will receive a copy of your message.

Please, if you think you can contribute, come over and subscribe with
us.

Thanks again to Steve Thompson for all his help!

Regards

Mike Maiorana, KU4QO

Date: Mon, 31 Dec 2001 14:57:55 -0800
From: "Kory Hamzeh" <kory@avatar.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116603] RE: "land grab"
Message-ID: <008c01c1924e\$955eb1c0\$14ce21c7@avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

On 12/22/01 1:34 PM, Bruce Muscolino at w6toy@erols.com wrote:
>
>You were doing allergist with just bringing back the old Novice
>license! I would also like to see the old two year minimum reinstated
>for an Extra class license too!

Repeat after me: IT'S JUST A HOBBY!

Date: Mon, 31 Dec 2001 17:52:43 -0500
From: "ZOOM" <kandrparker@sympatico.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116604] SKN Station
Message-ID: <00b301c1924d\$db62b1e0\$99a4fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In interest of SKN, I thought I would send a pic of the transmitter I will be using and hope to make a contact with some of you on it. It is a replica of a 1938 AWA CW transmitter.

It was built just a few years ago and has plug in coils for the various bands as well as an added ARC-5 VFO but it is primarily XTAL controlled. I'm using a BC-348 as the receiver with the built in dynamotor so it should prove interesting and allot of fun. KEY is a Russian made straight key. Power hopefully stay under 1W but capable of over 50W but will try and stay QRP.

I hope to meet you on the air!
http://valveman.tripod.ca/CW_TRANS.jpg

Regards,
Robert
VE3RPF

Date: Mon, 31 Dec 2001 15:13:10 -0800
From: webmaster@steadynet.com
To: pstrdave@kdsi.net, qrp-1@Lehigh.EDU
Subject: [116605] Re: OT: computer slot
Message-ID: <3C308086.6508.1A7AAF59@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

AMR = Audio Modem Riser.

It is a standard slot for Modem / Sounccard / combo card. It is a way for white box manufactures to save a little money by not having to stock and install 2 separate cards.

On 31 Dec 2001, at 23:04, David Heintzleman wrote:

> Hi, I've started gathering stuff to build a computer - my question -
> what is an "AMR" slot?
>
> thanks
> Dave K8BBM
> "a techno-challenged psuedo geek"
>

Date: Mon, 31 Dec 2001 18:16:57 -0500
From: "Stephen M. King" <frastephen@home.com>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [116606] Re: neophyte MP-1 question
Message-ID: <003301c19251\$3ee9cac0\$eb600c18@burl1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "Bruce Muscolino" <w6toy@erols.com>

Hello Bruce!

> Steven,

Actually, it is "Stephen"

> >

> > You shouldn't need a tuner with the MP-1 on its designed frequencies.

> >

> WRONG! The MP-1 is a quarter wave vertical that has been shortened.

> The very best SWR you can expect is 1.35:1. This is found by taking the

> output impedance of your transmitter, a nominal 50 ohms, and dividing it

> by the base impedance of the antenna, 37 ohm maximum for a full sized

> quarter wave vertical! A short vertical will have a MUCH lower base

> impedance. This can be found in the ARRL Antenna Handbook. In order to

> protect your rig, and also to get maximum power transfer, you need a

> tuner!

"Need" a tuner???

It has been my experience with antenna's of this type that a minuscule SWR mismatch is the least of your worries. The MP-1 is a concession ... but if it is all you have then make the best of it...

The original question was whether you can tune the MP-1 to a reasonably low SWR by just adjusting the coil, and the answer in most people's books would be "yes".

I use my MP-1 in the field with an FT-817. I can live with a small mismatch. The radio has high SWR protection if I make a mistake and do not find the "sweet-spot" on the coil. The fun of using an antenna like the MP-1 is to get out with as simple a set-up as possible. When I want more bang for the buck, and I am willing to drag a complete ham shack around, I take a tuner and dipole, which will always be superior to the MP-1...

But that wasn't the question ...

Is the MP-1 by itself perfect? No, no antenna is perfect, but for its designed application it is a good solution to the problem.

>

> 73

>

> Study, it's the key to knowledge!

>

Practical experience built on knowledge is the key to wisdom!

Peace, 73, and HNY,

STEPHEN
W3SMK

Date: Mon, 31 Dec 2001 16:50:40 -0700
From: "T.W." <wb5qyt@abq.com>
To: <qrp-1@lehigh.edu>
Subject: [116607] 817 info
Message-ID: <MABBIKAEJNPMOAJMBKJJMEBBCJAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

Thanks for all the info on my 817. I've figured out the problem(TXCO unit) and am going to try to get a new one from Yaesu. The master osc(X0) is suppose to be set to 22.625mhz. Mine is set at 22.275mhz and cannot be adjusted as is. As Trevor mentioned a batch of these rigs apparently escaped quality control. The wrong cap was installed on the board. Am dealing with Yaesu trying to get a new board. Will hope for the best!!

72, Tom WB5QYT...."Have spud will travel!"

Date: Mon, 31 Dec 2001 18:54:07 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: kory@avatar.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [116608] Re: "land grab"
Message-ID: <3C30FA9E.79FE5407@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kory,

Carried further shooting a pistol, rifle, or shotgun is also just a hobby. Don't you think we should endeavor to have the highest standards in our hobby? What is wrong with waiting two years to take a test? In many other fields where testing is required you have to wait, if not to

take the test, to apply the knowledge. It is true in flying, also just a hobby for many. Just think it over, do you want the guy next door holding a gun or flying over your house without some training and experience?

73

>

> Repeat after me: IT'S JUST A HOBBY!

End of QRP-L Digest 2422
